ISO 20022

Acquirer to Issuer Card Messages - Version 2

Message Definition Report - Part 2

For evaluation by the ISO 20022 Cards SEG

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

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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
DRAFT5caad.001.001.01 BatchManagementInitiationV01	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.
DRAFT5caad.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.
DRAFT5caad.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.
DRAFT5caad.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.
DRAFT5caad.005.001.02 ReconciliationInitiationV02	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.
DRAFT5caad.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.
DRAFT5caad.007.001.02 ErrorV02	The Error message is sent by any party to any party (acquirer, agent or issuer) to indicate a message error.
DRAFT5cafc.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.
DRAFT5cafc.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
DRAFT5cafm.001.001.01 FileActionInitiationV01	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.
DRAFT5cafm.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.
DRAFT5cafr.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.
DRAFT5cafr.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.
DRAFT5cafr.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.
DRAFT5cafr.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.
DRAFT5cain.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.
DRAFT5cain.002.001.02 AuthorisationResponseV02	The AuthorisationResponse message is sent by an issuer or an agent to an acquirer in response to an AuthorisationInitiation message.
DRAFT5cain.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.
DRAFT5cain.004.001.02 FinancialResponseV02	The FinancialResponse message is sent by an issuer or an agent to an acquirer in response to a FinancialInitiation message.
DRAFT5cain.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
DRAFT5cain.006.001.02 ReversalResponseV02	The ReversalResponse message is sent by an issuer or an agent to an acquirer in response to a ReversalInitiation message.
DRAFT5cain.014.001.01 RetrievalFulfilmentInitiationV01	The RetrievaFulfilmentInitiation message is sent by an acquirer or agent to an issuer to support an issuer's retrieval request. The RetrievaFulfilmentInitiation 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.
DRAFT5cain.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.
DRAFT5cain.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.).
DRAFT5cain.017.001.01 InquiryResponseV01	The InquiryResponse message is sent by an issuer or an agent to an acquirer in response to an InquiryInitiation message.
DRAFT5cain.018.001.01 VerificationInitiationV01	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.
DRAFT5cain.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.
DRAFT5cain.020.001.01 AmendmentV01	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.
DRAFT5cain.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
DRAFT5cain.022.001.01 RetrievalResponseV01	The RetrievalResponse message is sent by an acquirer to an issuer or agent in response to an Retrievalnitiation message.
DRAFT5cain.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.
DRAFT5cain.024.001.01 CardManagementResponseV01	The CardManagementResponse message is sent by an issuer or an agent to an acquirer in response to a CardManagementInitiation message.
DRAFT5cain.025.001.01 AddendumInitiationV01	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.
DRAFT5cain.026.001.01 AddendumResponseV01	The AddendumResponse message is sent by an issuer or an agent to an acquirer in response to an AddendumInitiation message.
DRAFT5cain.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.
DRAFT5cain.028.001.01 ChargeBackResponseV01	The ChargeBackResponse message is sent by an acquirer or an agent to an issuer in response to an ChargeBackInitiation message.
DRAFT5canm.001.001.02 NetworkManagementInitiationV02	The NetworkManagementlInitiation 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.
DRAFT5canm.002.001.02 NetworkManagementResponseV02	The NetworkManagementResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a NetworkManagementlInitiation message.
DRAFT5canm.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.).
DRAFT5canm.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.
DRAFT5casr.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
DRAFT5casr.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 DRAFT5caad.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
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		16
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		16
	ExchangeIdentification <*XchgId*>	[0..1]	Text		16
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		17
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		17
	InitiatingParty <*InitgPty*>	[1..1]	±		17
	RecipientParty <*RcptPty*>	[0..1]	±		17
	TraceData <*TracData*>	[0..*]			18
	Type <*Tp*>	[0..1]	Text		18
	Value <*Val*>	[0..1]	Text		18
	Traceability <*Tracblt*>	[0..*]	±		18
	Body <*Body*>	[1..1]			18
	Environment <*Envt*>	[1..1]			20
	Originator <*Orgtr*>	[0..1]	±		20
	Sender <*Sndr*>	[0..1]	±		20
	Receiver <*Rcvr*>	[0..1]	±		21
	Destination <*Dstn*>	[0..1]	±		21
	Context <*Cntxt*>	[0..1]			21
	TransactionContext <*TxCntxt*>	[0..1]			22
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		22
	Transaction <*Tx*>	[1..1]			22
	BatchManagementType <*BtchMgmtTp*>	[1..1]	CodeSet		23
	OtherBatchManagementType <*OthrBtchMgmtTp*>	[0..1]	Text		24
	TransactionIdentification <*TxId*>	[0..1]	±		24
	AdditionalFees <*AddtlFees*>	[0..*]	±		25
	CollectionIdentification <*ColltnId*>	[0..1]	Text		25
	BatchIdentification <*BtchId*>	[0..1]	Text		26
	CollectionSize <*ColltnSz*>	[0..1]	Quantity		26

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	OriginalCollectionIdentification <*OrgnlColltnId*>	[0..1]	Text		26
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		26
	NumberOfBatchesInCollection <*NbOfBtchsInColltn*>	[0..1]	Quantity		26
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		27
	RemainingMessagesInCollection <*RmngMsgsInColltn*>	[0..1]	Quantity		27
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		27
	BatchIdentificationList <*BtchIdList*>	[0..*]	Text		28
	CheckpointIdentification <*ChckptId*>	[0..1]	Text		28
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		28
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		28
	MessagesBeforeAcknowledgement <*MsgsBfrAck*>	[0..1]	Quantity		28
	PositiveAcknowledgement <*PostvAck*>	[0..1]	Indicator		29
	AdditionalData <*AddtlData*>	[0..*]			29
	Type <*Tp*>	[0..1]	Text		29
	Value <*Val*>	[0..1]	Text		29
	ProtectedData <*PrtctdData*>	[0..*]	±		29
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	32
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		32

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 **Header38** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		16
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		16
	ExchangeIdentification <*XchgId*>	[0..1]	Text		16
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		17
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		17
	InitiatingParty <*InitgPty*>	[1..1]	±		17
	RecipientParty <*RcptPty*>	[0..1]	±		17
	TraceData <*TracData*>	[0..*]			18
	Type <*Tp*>	[0..1]	Text		18
	Value <*Val*>	[0..1]	Text		18
	Traceability <*Tracblt*>	[0..*]	±		18

2.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction18Code" on page 1600

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).

2.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

2.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

2.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

2.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

2.4.1.6 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

2.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

2.4.1.8 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		18
	Value <*Val*>	[0..1]	Text		18

2.4.1.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

2.4.1.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

2.4.1.9 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			20
	Originator <*Orgtr*>	[0..1]	±		20
	Sender <*Sndr*>	[0..1]	±		20
	Receiver <*Rcvr*>	[0..1]	±		21
	Destination <*Dstn*>	[0..1]	±		21
	Context <*Cntxt*>	[0..1]			21
	TransactionContext <*TxCntxt*>	[0..1]			22
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		22
	Transaction <*Tx*>	[1..1]			22
	BatchManagementType <*BtchMgmtTp*>	[1..1]	CodeSet		23
	OtherBatchManagementType <*OthrBtchMgmtTp*>	[0..1]	Text		24
	TransactionIdentification <*TxId*>	[0..1]	±		24
	AdditionalFees <*AddtlFees*>	[0..*]	±		25
	CollectionIdentification <*ColltnId*>	[0..1]	Text		25
	BatchIdentification <*BtchId*>	[0..1]	Text		26
	CollectionSize <*ColltnSz*>	[0..1]	Quantity		26
	OriginalCollectionIdentification <*OrgnlColltnId*>	[0..1]	Text		26
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		26
	NumberOfBatchesInCollection <*NbOfBtchsInColltn*>	[0..1]	Quantity		26
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		27
	RemainingMessagesInCollection <*RmngMsgsInColltn*>	[0..1]	Quantity		27
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		27
	BatchIdentificationList <*BtchIdList*>	[0..*]	Text		28
	CheckpointIdentification <*ChckptId*>	[0..1]	Text		28
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		28
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		28
	MessagesBeforeAcknowledgement <*MsgsBfrAck*>	[0..1]	Quantity		28
	PositiveAcknowledgement <*PostvAck*>	[0..1]	Indicator		29
	AdditionalData <*AddtlData*>	[0..*]			29
	Type <*Tp*>	[0..1]	Text		29

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Value <*Val*>	[0..1]	Text		29
	ProtectedData <*PrtctdData*>	[0..*]	±		29
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	32

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]	±		20
	Sender <*Sndr*>	[0..1]	±		20
	Receiver <*Rcvr*>	[0..1]	±		21
	Destination <*Dstn*>	[0..1]	±		21

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]			22
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		22

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 <*CardPrgrmmApId*>	[0..1]	±		22

2.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		23
	OtherBatchManagementType <*OthrBtchMgmtTp*>	[0..1]	Text		24
	TransactionIdentification <*TxId*>	[0..1]	±		24
	AdditionalFees <*AddtlFees*>	[0..*]	±		25
	CollectionIdentification <*ColltnId*>	[0..1]	Text		25
	BatchIdentification <*BtchId*>	[0..1]	Text		26
	CollectionSize <*ColltnSz*>	[0..1]	Quantity		26
	OriginalCollectionIdentification <*OrgnlColltnId*>	[0..1]	Text		26
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		26
	NumberOfBatchesInCollection <*NbOfBtchsInColltn*>	[0..1]	Quantity		26
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		27
	RemainingMessagesInCollection <*RmngMsgsInColltn*>	[0..1]	Quantity		27
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		27
	BatchIdentificationList <*BtchIdList*>	[0..*]	Text		28
	CheckpointIdentification <*ChckptId*>	[0..1]	Text		28
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		28
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		28
	MessagesBeforeAcknowledgement <*MsgsBfrAck*>	[0..1]	Quantity		28
	PositiveAcknowledgement <*PostvAck*>	[0..1]	Indicator		29
	AdditionalData <*AddtlData*>	[0..*]			29
	Type <*Tp*>	[0..1]	Text		29
	Value <*Val*>	[0..1]	Text		29

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 1575

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 1640

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 1408 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1642

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 1642

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 1633

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 1642

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 1642

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 1633

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 1633

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 1633

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 1637

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 1642

2.4.2.3.15 CheckpointIdentification <ChckptId>

Presence: [0..1]

Definition: Identification of a specific checkpoint.

Datatype: "Max70Text" on page 1642

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 1553

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 1631):

- *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 1633

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 1631):

- *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		29
	Value <*Val*>	[0..1]	Text		29

2.4.2.3.20.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

2.4.2.3.20.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

2.4.2.4 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

3 DRAFT5caad.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]			36
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		37
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		37
	ExchangeIdentification <*XchgId*>	[0..1]	Text		37
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		38
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		38
	InitiatingParty <*InitgPty*>	[1..1]	±		38
	RecipientParty <*RcptPty*>	[0..1]	±		38
	TraceData <*TracData*>	[0..*]			39
	Type <*Tp*>	[0..1]	Text		39
	Value <*Val*>	[0..1]	Text		39
	Traceability <*Tracblt*>	[0..*]	±		39
	Body <*Body*>	[1..1]			39
	Environment <*Envt*>	[1..1]			41
	Originator <*Orgtr*>	[0..1]	±		41
	Sender <*Sndr*>	[0..1]	±		41
	Receiver <*Rcvr*>	[0..1]	±		42
	Destination <*Dstn*>	[0..1]	±		42
	Context <*Cntxt*>	[0..1]			42
	TransactionContext <*TxCntxt*>	[0..1]			43
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		43
	Transaction <*Tx*>	[1..1]			43
	BatchManagementType <*BtchMgmtTp*>	[1..1]	CodeSet		44
	OtherBatchManagementType <*OthrBtchMgmtTp*>	[0..1]	Text		45
	TransactionIdentification <*TxId*>	[0..1]	±		45
	AdditionalFees <*AddtlFees*>	[0..*]	±		46
	CollectionIdentification <*ColltnId*>	[0..1]	Text		46
	BatchIdentification <*BtchId*>	[0..1]	Text		47
	CollectionSize <*ColltnSz*>	[0..1]	Quantity		47

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	OriginalCollectionIdentification <*OrgnlColltnId*>	[0..1]	Text		47
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		47
	NumberOfBatchesInCollection <*NbOfBtchsInColltn*>	[0..1]	Quantity		47
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		48
	RemainingMessagesInCollection <*RmngMsgsInColltn*>	[0..1]	Quantity		48
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		48
	BatchIdentificationList <*BtchIdList*>	[0..*]	Text		49
	CheckpointIdentification <*ChckptId*>	[0..1]	Text		49
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		49
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		49
	MessagesBeforeAcknowledgement <*MsgsBfrAck*>	[0..1]	Quantity		49
	PositiveAcknowledgement <*PostvAck*>	[0..1]	Indicator		50
	AdditionalData <*AddtlData*>	[0..*]			50
	Type <*Tp*>	[0..1]	Text		50
	Value <*Val*>	[0..1]	Text		50
	ProcessingResult <*PrcgRslt*>	[1..1]	±		50
	ProtectedData <*PrtctdData*>	[0..*]	±		51
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	54
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		54

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 **Header38** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		37
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		37
	ExchangeIdentification <*XchgId*>	[0..1]	Text		37
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		38
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		38
	InitiatingParty <*InitgPty*>	[1..1]	±		38
	RecipientParty <*RcptPty*>	[0..1]	±		38
	TraceData <*TracData*>	[0..*]			39
	Type <*Tp*>	[0..1]	Text		39
	Value <*Val*>	[0..1]	Text		39
	Traceability <*Tracblt*>	[0..*]	±		39

3.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction18Code" on page 1600

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).

3.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

3.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

3.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

3.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

3.4.1.6 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

3.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

3.4.1.8 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		39
	Value <*Val*>	[0..1]	Text		39

3.4.1.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

3.4.1.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

3.4.1.9 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			41
	Originator <*Orgtr*>	[0..1]	±		41
	Sender <*Sndr*>	[0..1]	±		41
	Receiver <*Rcvr*>	[0..1]	±		42
	Destination <*Dstn*>	[0..1]	±		42
	Context <*Cntxt*>	[0..1]			42
	TransactionContext <*TxCntxt*>	[0..1]			43
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		43
	Transaction <*Tx*>	[1..1]			43
	BatchManagementType <*BtchMgmtTp*>	[1..1]	CodeSet		44
	OtherBatchManagementType <*OthrBtchMgmtTp*>	[0..1]	Text		45
	TransactionIdentification <*TxId*>	[0..1]	±		45
	AdditionalFees <*AddtlFees*>	[0..*]	±		46
	CollectionIdentification <*ColltnId*>	[0..1]	Text		46
	BatchIdentification <*BtchId*>	[0..1]	Text		47
	CollectionSize <*ColltnSz*>	[0..1]	Quantity		47
	OriginalCollectionIdentification <*OrgnlColltnId*>	[0..1]	Text		47
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		47
	NumberOfBatchesInCollection <*NbOfBtchsInColltn*>	[0..1]	Quantity		47
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		48
	RemainingMessagesInCollection <*RmngMsgsInColltn*>	[0..1]	Quantity		48
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		48
	BatchIdentificationList <*BtchIdList*>	[0..*]	Text		49
	CheckpointIdentification <*ChckptId*>	[0..1]	Text		49
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		49
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		49
	MessagesBeforeAcknowledgement <*MsgsBfrAck*>	[0..1]	Quantity		49
	PositiveAcknowledgement <*PostvAck*>	[0..1]	Indicator		50
	AdditionalData <*AddtlData*>	[0..*]			50
	Type <*Tp*>	[0..1]	Text		50

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Value <*Val*>	[0..1]	Text		50
	ProcessingResult <*PrcgRslt*>	[1..1]	±		50
	ProtectedData <*PrtctdData*>	[0..*]	±		51
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	54

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]	±		41
	Sender <*Sndr*>	[0..1]	±		41
	Receiver <*Rcvr*>	[0..1]	±		42
	Destination <*Dstn*>	[0..1]	±		42

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]			43
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		43

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 <*CardPrgrmmApId*>	[0..1]	±		43

3.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		44
	OtherBatchManagementType <*OthrBtchMgmtTp*>	[0..1]	Text		45
	TransactionIdentification <*TxId*>	[0..1]	±		45
	AdditionalFees <*AddtlFees*>	[0..*]	±		46
	CollectionIdentification <*ColltnId*>	[0..1]	Text		46
	BatchIdentification <*BtchId*>	[0..1]	Text		47
	CollectionSize <*ColltnSz*>	[0..1]	Quantity		47
	OriginalCollectionIdentification <*OrgnlColltnId*>	[0..1]	Text		47
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		47
	NumberOfBatchesInCollection <*NbOfBtchsInColltn*>	[0..1]	Quantity		47
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		48
	RemainingMessagesInCollection <*RmngMsgsInColltn*>	[0..1]	Quantity		48
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		48
	BatchIdentificationList <*BtchIdList*>	[0..*]	Text		49
	CheckpointIdentification <*ChckptId*>	[0..1]	Text		49
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		49
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		49
	MessagesBeforeAcknowledgement <*MsgsBfrAck*>	[0..1]	Quantity		49
	PositiveAcknowledgement <*PostvAck*>	[0..1]	Indicator		50
	AdditionalData <*AddtlData*>	[0..*]			50
	Type <*Tp*>	[0..1]	Text		50
	Value <*Val*>	[0..1]	Text		50

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 1575

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 1640

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 1408 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1642

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 1642

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 1633

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 1642

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 1642

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 1633

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 1633

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 1633

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 1637

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 1642

3.4.2.3.15 CheckpointIdentification <ChckptId>

Presence: [0..1]

Definition: Identification of a specific checkpoint.

Datatype: "Max70Text" on page 1642

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 1553

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 1631):

- *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 1633

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 1631):

- *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		50
	Value <*Val*>	[0..1]	Text		50

3.4.2.3.20.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

3.4.2.3.20.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

3.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult3" on page 1518 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[1..1]	±		1518
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1519

3.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

4 DRAFT5caad.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*> <*BtchTrfInitn*>	[1..1]			
	Header <*Hdr*>	[1..1]			60
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		61
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		61
	ExchangeIdentification <*XchgId*>	[0..1]	Text		61
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		61
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		61
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		61
	InitiatingParty <*InitgPty*>	[1..1]	±		62
	RecipientParty <*RcptPty*>	[0..1]	±		62
	TraceData <*TracData*>	[0..*]			63
	Type <*Tp*>	[0..1]	Text		63
	Value <*Val*>	[0..1]	Text		63
	Traceability <*Tracblt*>	[0..*]	±		63
	Body <*Body*>	[1..1]			63
	Environment <*Envt*>	[1..1]			66
	Originator <*Orgtr*>	[0..1]	±		66
	Destination <*Dstn*>	[1..1]	±		67
	Context <*Cntxt*>	[0..1]			67
	TransactionContext <*TxCntxt*>	[0..1]			67
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		67
	Transaction <*Tx*>	[1..1]			68
	TransactionIdentification <*TxId*>	[0..1]	±		71
	BatchIdentification <*BtchId*>	[0..1]	Text		71
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		72
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		72
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		72
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		72
	ClearingBatchData <*ClrBtchData*>	[0..*]			73
	ClearingMethod <*ClrMtd*>	[1..1]	CodeSet		73

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		73
	ClearingPriority <*ClrPrty*>	[0..1]	Text		74
	ClearingDate <*ClrDt*>	[0..1]	Date		74
	ClearingTotals <*ClrTtls*>	[0..1]			74
	Count <*Cnt*>	[1..1]	Quantity		74
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		74
	InterchangeFee <*IntrchngFee*>	[0..1]	±		74
	AgentFee <*AgtFee*>	[0..1]	±		75
	ClearingControlTotals <*ClrCtrlTtls*>	[0..1]			75
	ClearingControlCount <*ClrCtrlCnt*>	[1..1]	Quantity		75
	ClearingControlAmount <*ClrCtrlAmt*>	[1..1]	±		75
	AgentData <*AgtData*>	[0..*]			76
	Recipient <*Rcpt*>	[0..1]	CodeSet		76
	Target <*Trgt*>	[0..*]	CodeSet		76
	Format <*Frmt*>	[0..1]	CodeSet		77
	Value <*Val*>	[1..1]	Text		77
	Record <*Rcrd*>	[0..*]			77
	SequenceCounter <*SeqCntr*>	[1..1]	Quantity		79
	RecordChecksumInputValue <*RcrdChcksmInptVal*>	[0..1]	Binary		79
	ClearingRecordData <*ClrRcrdData*>	[0..1]	±		79
	RecordMessage <*RcrdMsg*>	[1..1]			80
{Or	**AddendumInitiation** <*AdddmInitn*>	[1..1]	Binary		82
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		82
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		82
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		82
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		82
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		82
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		83
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		83
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		83
Or	**Error** <*Err*>	[1..1]	Binary		83

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		83
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		83
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		83
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		83
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		83
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		84
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		84
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		84
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		84
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		84
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		84
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		84
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		84
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		85
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		85
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		85
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		85
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		85
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		85
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		85
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		85
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		85
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		86
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		86
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		86
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		86
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		86
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		86
	AdditionalData <*AddtlData*>	[0..*]			86
	Type <*Tp*>	[0..1]	Text		87
	Value <*Val*>	[0..1]	Text		87

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProcessingResult <*PrcgRslt*>	[0..1]	±		87
	ProtectedData <*PrtctdData*>	[0..*]	±		87
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	90
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		90

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		61
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		61
	ExchangeIdentification <*XchgId*>	[0..1]	Text		61
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		61
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		61
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		61
	InitiatingParty <*InitgPty*>	[1..1]	±		62
	RecipientParty <*RcptPty*>	[0..1]	±		62
	TraceData <*TracData*>	[0..*]			63
	Type <*Tp*>	[0..1]	Text		63
	Value <*Val*>	[0..1]	Text		63
	Traceability <*Tracblt*>	[0..*]	±		63

4.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

4.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

4.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

4.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

4.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

4.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

4.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

4.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

4.4.1.9 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		63
	Value <*Val*>	[0..1]	Text		63

4.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

4.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

4.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			66
	Originator <*Orgtr*>	[0..1]	±		66
	Destination <*Dstn*>	[1..1]	±		67
	Context <*Cntxt*>	[0..1]			67
	TransactionContext <*TxCntxt*>	[0..1]			67
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		67
	Transaction <*Tx*>	[1..1]			68
	TransactionIdentification <*TxId*>	[0..1]	±		71
	BatchIdentification <*BtchId*>	[0..1]	Text		71
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		72
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		72
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		72
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		72
	ClearingBatchData <*ClrBtchData*>	[0..*]			73
	ClearingMethod <*ClrMtd*>	[1..1]	CodeSet		73
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		73
	ClearingPriority <*ClrPrty*>	[0..1]	Text		74
	ClearingDate <*ClrDt*>	[0..1]	Date		74
	ClearingTotals <*ClrTtls*>	[0..1]			74
	Count <*Cnt*>	[1..1]	Quantity		74
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		74
	InterchangeFee <*IntrchngFee*>	[0..1]	±		74
	AgentFee <*AgtFee*>	[0..1]	±		75
	ClearingControlTotals <*ClrCtrlTtls*>	[0..1]			75
	ClearingControlCount <*ClrCtrlCnt*>	[1..1]	Quantity		75
	ClearingControlAmount <*ClrCtrlAmt*>	[1..1]	±		75
	AgentData <*AgtData*>	[0..*]			76
	Recipient <*Rcpt*>	[0..1]	CodeSet		76
	Target <*Trgt*>	[0..*]	CodeSet		76
	Format <*Frmt*>	[0..1]	CodeSet		77
	Value <*Val*>	[1..1]	Text		77

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Record <*Rcrd*>	[0..*]			77
	SequenceCounter <*SeqCntr*>	[1..1]	Quantity		79
	RecordChecksumInputValue <*RcrdChcksmInptVal*>	[0..1]	Binary		79
	ClearingRecordData <*ClrRcrdData*>	[0..1]	±		79
	RecordMessage <*RcrdMsg*>	[1..1]			80
{Or	**AddendumInitiation** <*AdddmInitn*>	[1..1]	Binary		82
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		82
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		82
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		82
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		82
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		82
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		83
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		83
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		83
Or	**Error** <*Err*>	[1..1]	Binary		83
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		83
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		83
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		83
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		83
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		83
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		84
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		84
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		84
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		84
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		84
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		84
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		84
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		84
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		85
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		85
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		85

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		85
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		85
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		85
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		85
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		85
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		85
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		86
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		86
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		86
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		86
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		86
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		86
	AdditionalData <*AddtlData*>	[0..*]			86
	Type <*Tp*>	[0..1]	Text		87
	Value <*Val*>	[0..1]	Text		87
	ProcessingResult <*PrcgRslt*>	[0..1]	±		87
	ProtectedData <*PrtctdData*>	[0..*]	±		87
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	90

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]	±		66
	Destination <*Dstn*>	[1..1]	±		67

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 1340 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1340
	Assigner <*Assgnr*>	[0..1]	Text		1340
	Country <*Ctry*>	[0..1]	CodeSet		1340
	ShortName <*ShrtNm*>	[0..1]	Text		1341

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 1341 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1341
	Assigner <*Assgnr*>	[0..1]	Text		1341
	Country <*Ctry*>	[0..1]	CodeSet		1341
	ShortName <*ShrtNm*>	[0..1]	Text		1341

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]			67
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		67

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 <*CardPrgrmmApId*>	[0..1]	±		67

4.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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]	±		71
	BatchIdentification <*BtchId*>	[0..1]	Text		71
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		72
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		72
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		72
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		72
	ClearingBatchData <*ClrBtchData*>	[0..*]			73
	ClearingMethod <*ClrMtd*>	[1..1]	CodeSet		73
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		73
	ClearingPriority <*ClrPrty*>	[0..1]	Text		74
	ClearingDate <*ClrDt*>	[0..1]	Date		74
	ClearingTotals <*ClrTtls*>	[0..1]			74
	Count <*Cnt*>	[1..1]	Quantity		74
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		74
	InterchangeFee <*IntrchngFee*>	[0..1]	±		74
	AgentFee <*AgtFee*>	[0..1]	±		75
	ClearingControlTotals <*ClrCtrlTtls*>	[0..1]			75
	ClearingControlCount <*ClrCtrlCnt*>	[1..1]	Quantity		75
	ClearingControlAmount <*ClrCtrlAmt*>	[1..1]	±		75
	AgentData <*AgtData*>	[0..*]			76
	Recipient <*Rcpt*>	[0..1]	CodeSet		76
	Target <*Trgt*>	[0..*]	CodeSet		76
	Format <*Frmt*>	[0..1]	CodeSet		77
	Value <*Val*>	[1..1]	Text		77
	Record <*Rcrd*>	[0..*]			77
	SequenceCounter <*SeqCntr*>	[1..1]	Quantity		79
	RecordChecksumInputValue <*RcrdChcksmInptVal*>	[0..1]	Binary		79
	ClearingRecordData <*ClrRcrdData*>	[0..1]	±		79
	RecordMessage <*RcrdMsg*>	[1..1]			80
{Or	**AddendumInitiation** <*AdddmInitn*>	[1..1]	Binary		82
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		82

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		82
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		82
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		82
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		82
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		83
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		83
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		83
Or	**Error** <*Err*>	[1..1]	Binary		83
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		83
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		83
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		83
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		83
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		83
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		84
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		84
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		84
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		84
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		84
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		84
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		84
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		84
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		85
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		85
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		85
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		85
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		85
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		85
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		85
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		85
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		85
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		86

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		86
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		86
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		86
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		86
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		86
	AdditionalData <*AddtlData*>	[0..*]			86
	Type <*Tp*>	[0..1]	Text		87
	Value <*Val*>	[0..1]	Text		87

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 1408 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

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 1642

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 1642

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 1633

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 1553

4.4.2.3.6 RequestAcknowledgement <ReqAck>

Presence: [0..1]

Definition: Indicator to request acknowlegement.

True: Acknowledgement requested

False: Acknowledgement not requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1631):

- *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		73
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		73
	ClearingPriority <*ClrPrty*>	[0..1]	Text		74
	ClearingDate <*ClrDt*>	[0..1]	Date		74
	ClearingTotals <*ClrTtls*>	[0..1]			74
	Count <*Cnt*>	[1..1]	Quantity		74
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		74
	InterchangeFee <*IntrchngFee*>	[0..1]	±		74
	AgentFee <*AgtFee*>	[0..1]	±		75

4.4.2.3.7.1 ClearingMethod <ClrMtd>

Presence: [1..1]

Definition: Type of clearing method used.

Datatype: "ClearingMethod2Code" on page 1581

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 1640

4.4.2.3.7.3 ClearingPriority <ClrPrty>

Presence: [0..1]

Definition: Level of priority of clearing.

Datatype: "Max35Text" on page 1640

4.4.2.3.7.4 ClearingDate <ClrDt>

Presence: [0..1]

Definition: Date of clearing.

Datatype: "ISODate" on page 1631

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		74
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		74

4.4.2.3.7.5.1 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions to clear.

Datatype: "Number" on page 1633

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

4.4.2.3.7.6 InterchangeFee <IntrchngFee>

Presence: [0..1]

Definition: Interchange fee.

InterchangeFee <IntrchngFee> contains the following elements (see "Amount14" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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		75
	ClearingControlAmount <*ClrCtrlAmt*>	[1..1]	±		75

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 1633

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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		76
	Target <*Trgt*>	[0..*]	CodeSet		76
	Format <*Frmt*>	[0..1]	CodeSet		77
	Value <*Val*>	[1..1]	Text		77

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 1608

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 1629

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 1605

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 1638

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		79
	RecordChecksumInputValue <*RcrdChcksmInptVal*>	[0..1]	Binary		79
	ClearingRecordData <*ClrRcrdData*>	[0..1]	±		79
	RecordMessage <*RcrdMsg*>	[1..1]			80
{Or	**AddendumInitiation** <*AdddmInitn*>	[1..1]	Binary		82
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		82
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		82
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		82
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		82
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		82
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		83
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		83
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		83
Or	**Error** <*Err*>	[1..1]	Binary		83
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		83
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		83
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		83
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		83
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		83
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		84
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		84
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		84
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		84
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		84
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		84
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		84
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		84
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		85
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		85
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		85
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		85

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		85
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		85
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		85
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		85
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		85
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		86
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		86
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		86
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		86
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		86
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		86

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 1633

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 1553

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 1006 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Originator <*Orgtr*>	[0..1]	±		1006
	Destination <*Dstn*>	[0..1]	±		1006
	ClearingMethod <*ClrMtd*>	[1..1]	CodeSet		1007
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		1007
	ClearingPriority <*ClrPrty*>	[0..1]	Text		1007
	ClearingDate <*ClrDt*>	[0..1]	Date		1007
	ClearingAmount <*ClrAmt*>	[0..1]	±		1007
	InterchangeFee <*IntrchngFee*>	[0..1]	±		1008
	AgentFee <*AgtFee*>	[0..1]	±		1008
	OtherAmount <*OthrAmt*>	[0..1]			1008
	ClearingCount <*ClrCnt*>	[1..1]	Quantity		1009
	ClearingAmount <*ClrAmt*>	[1..1]	±		1009
	InterchangeFee <*IntrchngFee*>	[0..1]	±		1009
	AgentFee <*AgtFee*>	[0..1]	±		1009

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		82
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		82
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		82
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		82
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		82
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		82
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		83
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		83
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		83
Or	**Error** <*Err*>	[1..1]	Binary		83
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		83
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		83
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		83
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		83
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		83
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		84
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		84
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		84
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		84
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		84
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		84
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		84
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		84
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		85
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		85
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		85
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		85
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		85
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		85
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		85
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		85

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		85
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		86
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		86
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		86
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		86
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		86
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		86

4.4.2.3.10.4.1 AddendumInitiation <AdddmInitn>

Presence: [1..1]

Definition: Addendum initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.2 AddendumResponse <AdddmRspn>

Presence: [1..1]

Definition: Addendum response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.3 Amendment <Amdmnt>

Presence: [1..1]

Definition: Amendment message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.4 AuthorisationInitiation <AuthstnInitn>

Presence: [1..1]

Definition: Authorisation initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.5 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Authorisation response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.6 CardManagementInitiation <CardMgmtInitn>

Presence: [1..1]

Definition: Card management initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.7 CardManagementResponse <CardMgmtRspn>

Presence: [1..1]

Definition: Card management response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.8 ChargeBackInitiation <ChrgBckInitn>

Presence: [1..1]

Definition: Chargeback initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.9 ChargeBackResponse <ChrgBckRspn>

Presence: [1..1]

Definition: Chargeback response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.10 Error <Err>

Presence: [1..1]

Definition: Error message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.11 FeeCollectionInitiation <FeeColltnInitn>

Presence: [1..1]

Definition: Fee collection initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.12 FeeCollectionResponse <FeeColltnRspn>

Presence: [1..1]

Definition: Fee collection response message record

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.13 FileActionInitiation <FileActnInitn>

Presence: [1..1]

Definition: File action initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.14 FileActionResponse <FileActnRspn>

Presence: [1..1]

Definition: File action response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.15 FinancialInitiation <FinInitn>

Presence: [1..1]

Definition: Financial initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.16 FinancialResponse <FinRspn>

Presence: [1..1]

Definition: Financial response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.17 FraudDispositionInitiation <FrdDspstnInitn>

Presence: [1..1]

Definition: Fraud disposition initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.18 FraudDispositionResponse <FrdDspstnRspn>

Presence: [1..1]

Definition: Fraud disposition response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.19 FraudReportingInitiation <FrdRptgInitn>

Presence: [1..1]

Definition: Fraud reporting initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.20 FraudReportingResponse <FrdRptgRspn>

Presence: [1..1]

Definition: Fraud reporting response record message.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.21 InquiryInitiation <NqryInitn>

Presence: [1..1]

Definition: Inquiry initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.22 InquiryResponse <NqryRspn>

Presence: [1..1]

Definition: Inquiry response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.23 KeyExchangeInitiation <KeyXchgInitn>

Presence: [1..1]

Definition: Key exchange initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.24 KeyExchangeResponse <KeyXchgRspn>

Presence: [1..1]

Definition: Key exchange response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.25 NetworkManagementInitiation <NtwkMgmtInitn>

Presence: [1..1]

Definition: Network management initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.26 NetworkManagementResponse <NtwkMgmtRspn>

Presence: [1..1]

Definition: Network management response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.27 ReconciliationInitiation <RcncltnInitn>

Presence: [1..1]

Definition: Reconciliation initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.28 ReconciliationResponse <RcncltnRspn>

Presence: [1..1]

Definition: Reconciliation response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.29 RetrievalInitiation <RtrvlInitn>

Presence: [1..1]

Definition: Retrieval initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.30 RetrievalResponse <RtrvlRspn>

Presence: [1..1]

Definition: Retrieval response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.31 RetrievalFulfilmentInitiation <RtrvlFlfmtInitn>

Presence: [1..1]

Definition: Retrieval fulfilment initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.32 RetrievalFulfilmentResponse <RtrvlFlfmtRspn>

Presence: [1..1]

Definition: Retrieval fulfilment response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.33 ReversalInitiation <RvslInitn>

Presence: [1..1]

Definition: Reversal initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.34 ReversalResponse <RvslRspn>

Presence: [1..1]

Definition: Reversal response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.35 SettlementReportingInitiation <SttlmRptgInitn>

Presence: [1..1]

Definition: Settlement reporting initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.36 SettlementReportingResponse <SttlmRptgRspn>

Presence: [1..1]

Definition: Settlement reporting response message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.37 VerificationInitiation <VrfctnInitn>

Presence: [1..1]

Definition: Verification initiation message record.

Datatype: "Max2MBBinary" on page 1553

4.4.2.3.10.4.38 VerificationResponse <VrfctnRspn>

Presence: [1..1]

Definition: Verification response message record.

Datatype: "Max2MBBinary" on page 1553

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		87
	Value <*Val*>	[0..1]	Text		87

4.4.2.3.11.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

4.4.2.3.11.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

4.4.2.4 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of processing.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult3" on page 1518 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[1..1]	±		1518
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1519

4.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

5 DRAFT5caad.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]			96
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		97
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		97
	ExchangeIdentification <*XchgId*>	[0..1]	Text		97
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		97
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		97
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		97
	InitiatingParty <*InitgPty*>	[1..1]	±		98
	RecipientParty <*RcptPty*>	[0..1]	±		98
	TraceData <*TracData*>	[0..*]			99
	Type <*Tp*>	[0..1]	Text		99
	Value <*Val*>	[0..1]	Text		99
	Traceability <*Tracblt*>	[0..*]	±		99
	Body <*Body*>	[1..1]			99
	Environment <*Envt*>	[1..1]			102
	Originator <*Orgtr*>	[0..1]	±		102
	Destination <*Dstn*>	[1..1]	±		103
	Context <*Cntxt*>	[0..1]			103
	TransactionContext <*TxCntxt*>	[0..1]			103
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		103
	Transaction <*Tx*>	[1..1]			104
	TransactionIdentification <*TxId*>	[0..1]	±		107
	BatchIdentification <*BtchId*>	[0..1]	Text		107
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		108
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		108
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		108
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		108
	ClearingBatchData <*ClrBtchData*>	[0..*]			109
	ClearingMethod <*ClrMtd*>	[1..1]	CodeSet		109

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		109
	ClearingPriority <*ClrPrty*>	[0..1]	Text		110
	ClearingDate <*ClrDt*>	[0..1]	Date		110
	ClearingTotals <*ClrTtls*>	[0..1]			110
	Count <*Cnt*>	[1..1]	Quantity		110
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		110
	InterchangeFee <*IntrchngFee*>	[0..1]	±		110
	AgentFee <*AgtFee*>	[0..1]	±		111
	ClearingControlTotals <*ClrCtrlTtls*>	[0..1]			111
	ClearingControlCount <*ClrCtrlCnt*>	[1..1]	Quantity		111
	ClearingControlAmount <*ClrCtrlAmt*>	[1..1]	±		111
	AgentData <*AgtData*>	[0..*]			112
	Recipient <*Rcpt*>	[0..1]	CodeSet		112
	Target <*Trgt*>	[0..*]	CodeSet		112
	Format <*Frmt*>	[0..1]	CodeSet		113
	Value <*Val*>	[1..1]	Text		113
	Record <*Rcrd*>	[0..*]			113
	SequenceCounter <*SeqCntr*>	[1..1]	Quantity		115
	RecordChecksumInputValue <*RcrdChcksmInptVal*>	[0..1]	Binary		115
	ClearingRecordData <*ClrRcrdData*>	[0..1]	±		115
	RecordMessage <*RcrdMsg*>	[1..1]			116
{Or	**AddendumInitiation** <*AdddmInitn*>	[1..1]	Binary		118
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		118
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		118
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		118
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		118
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		118
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		119
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		119
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		119
Or	**Error** <*Err*>	[1..1]	Binary		119

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		119
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		119
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		119
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		119
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		119
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		120
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		120
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		120
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		120
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		120
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		120
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		120
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		120
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		121
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		121
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		121
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		121
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		121
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		121
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		121
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		121
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		121
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		122
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		122
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		122
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		122
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		122
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		122
	AdditionalData <*AddtlData*>	[0..*]			122
	Type <*Tp*>	[0..1]	Text		123
	Value <*Val*>	[0..1]	Text		123

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProcessingResult <*PrcgRslt*>	[1..1]	±		123
	ProtectedData <*PrtctdData*>	[0..*]	±		123
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	126
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		126

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		97
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		97
	ExchangeIdentification <*XchgId*>	[0..1]	Text		97
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		97
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		97
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		97
	InitiatingParty <*InitgPty*>	[1..1]	±		98
	RecipientParty <*RcptPty*>	[0..1]	±		98
	TraceData <*TracData*>	[0..*]			99
	Type <*Tp*>	[0..1]	Text		99
	Value <*Val*>	[0..1]	Text		99
	Traceability <*Tracblt*>	[0..*]	±		99

5.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

5.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

5.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

5.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

5.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

5.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

5.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

5.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

5.4.1.9 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		99
	Value <*Val*>	[0..1]	Text		99

5.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

5.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

5.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			102
	Originator <*Orgtr*>	[0..1]	±		102
	Destination <*Dstn*>	[1..1]	±		103
	Context <*Cntxt*>	[0..1]			103
	TransactionContext <*TxCntxt*>	[0..1]			103
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		103
	Transaction <*Tx*>	[1..1]			104
	TransactionIdentification <*TxId*>	[0..1]	±		107
	BatchIdentification <*BtchId*>	[0..1]	Text		107
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		108
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		108
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		108
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		108
	ClearingBatchData <*ClrBtchData*>	[0..*]			109
	ClearingMethod <*ClrMtd*>	[1..1]	CodeSet		109
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		109
	ClearingPriority <*ClrPrty*>	[0..1]	Text		110
	ClearingDate <*ClrDt*>	[0..1]	Date		110
	ClearingTotals <*ClrTtls*>	[0..1]			110
	Count <*Cnt*>	[1..1]	Quantity		110
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		110
	InterchangeFee <*IntrchngFee*>	[0..1]	±		110
	AgentFee <*AgtFee*>	[0..1]	±		111
	ClearingControlTotals <*ClrCtrlTtls*>	[0..1]			111
	ClearingControlCount <*ClrCtrlCnt*>	[1..1]	Quantity		111
	ClearingControlAmount <*ClrCtrlAmt*>	[1..1]	±		111
	AgentData <*AgtData*>	[0..*]			112
	Recipient <*Rcpt*>	[0..1]	CodeSet		112
	Target <*Trgt*>	[0..*]	CodeSet		112
	Format <*Frmt*>	[0..1]	CodeSet		113
	Value <*Val*>	[1..1]	Text		113

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Record <*Rcrd*>	[0..*]			113
	SequenceCounter <*SeqCntr*>	[1..1]	Quantity		115
	RecordChecksumInputValue <*RcrdChcksmInptVal*>	[0..1]	Binary		115
	ClearingRecordData <*ClrRcrdData*>	[0..1]	±		115
	RecordMessage <*RcrdMsg*>	[1..1]			116
{Or	**AddendumInitiation** <*AdddmInitn*>	[1..1]	Binary		118
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		118
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		118
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		118
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		118
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		118
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		119
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		119
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		119
Or	**Error** <*Err*>	[1..1]	Binary		119
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		119
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		119
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		119
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		119
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		119
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		120
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		120
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		120
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		120
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		120
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		120
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		120
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		120
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		121
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		121
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		121

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		121
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		121
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		121
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		121
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		121
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		121
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		122
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		122
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		122
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		122
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		122
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		122
	AdditionalData <*AddtlData*>	[0..*]			122
	Type <*Tp*>	[0..1]	Text		123
	Value <*Val*>	[0..1]	Text		123
	ProcessingResult <*PrcgRslt*>	[1..1]	±		123
	ProtectedData <*PrtctdData*>	[0..*]	±		123
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	126

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]	±		102
	Destination <*Dstn*>	[1..1]	±		103

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 1340 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1340
	Assigner <*Assgnr*>	[0..1]	Text		1340
	Country <*Ctry*>	[0..1]	CodeSet		1340
	ShortName <*ShrtNm*>	[0..1]	Text		1341

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 1341 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1341
	Assigner <*Assgnr*>	[0..1]	Text		1341
	Country <*Ctry*>	[0..1]	CodeSet		1341
	ShortName <*ShrtNm*>	[0..1]	Text		1341

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]			103
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		103

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 <*CardPrgrmmApId*>	[0..1]	±		103

5.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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]	±		107
	BatchIdentification <*BtchId*>	[0..1]	Text		107
	OriginalBatchIdentification <*OrgnlBtchId*>	[0..1]	Text		108
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		108
	BatchChecksum <*BtchChcksm*>	[0..1]	Binary		108
	RequestAcknowledgement <*ReqAck*>	[0..1]	Indicator		108
	ClearingBatchData <*ClrBtchData*>	[0..*]			109
	ClearingMethod <*ClrMtd*>	[1..1]	CodeSet		109
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		109
	ClearingPriority <*ClrPrty*>	[0..1]	Text		110
	ClearingDate <*ClrDt*>	[0..1]	Date		110
	ClearingTotals <*ClrTtls*>	[0..1]			110
	Count <*Cnt*>	[1..1]	Quantity		110
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		110
	InterchangeFee <*IntrchngFee*>	[0..1]	±		110
	AgentFee <*AgtFee*>	[0..1]	±		111
	ClearingControlTotals <*ClrCtrlTtls*>	[0..1]			111
	ClearingControlCount <*ClrCtrlCnt*>	[1..1]	Quantity		111
	ClearingControlAmount <*ClrCtrlAmt*>	[1..1]	±		111
	AgentData <*AgtData*>	[0..*]			112
	Recipient <*Rcpt*>	[0..1]	CodeSet		112
	Target <*Trgt*>	[0..*]	CodeSet		112
	Format <*Frmt*>	[0..1]	CodeSet		113
	Value <*Val*>	[1..1]	Text		113
	Record <*Rcrd*>	[0..*]			113
	SequenceCounter <*SeqCntr*>	[1..1]	Quantity		115
	RecordChecksumInputValue <*RcrdChcksmInptVal*>	[0..1]	Binary		115
	ClearingRecordData <*ClrRcrdData*>	[0..1]	±		115
	RecordMessage <*RcrdMsg*>	[1..1]			116
{Or	**AddendumInitiation** <*AdddmInitn*>	[1..1]	Binary		118
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		118

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		118
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		118
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		118
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		118
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		119
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		119
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		119
Or	**Error** <*Err*>	[1..1]	Binary		119
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		119
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		119
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		119
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		119
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		119
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		120
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		120
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		120
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		120
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		120
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		120
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		120
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		120
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		121
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		121
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		121
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		121
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		121
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		121
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		121
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		121
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		121
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		122

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		122
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		122
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		122
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		122
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		122
	AdditionalData <*AddtlData*>	[0..*]			122
	Type <*Tp*>	[0..1]	Text		123
	Value <*Val*>	[0..1]	Text		123

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 1408 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

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 1642

5.4.2.3.3 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 1642

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 1633

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 1553

5.4.2.3.6 RequestAcknowledgement <ReqAck>

Presence: [0..1]

Definition: Indicator to request acknowlegement.

True: Acknowledgement requested

False: Acknowledgement not requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1631):

- *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		109
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		109
	ClearingPriority <*ClrPrty*>	[0..1]	Text		110
	ClearingDate <*ClrDt*>	[0..1]	Date		110
	ClearingTotals <*ClrTtls*>	[0..1]			110
	Count <*Cnt*>	[1..1]	Quantity		110
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		110
	InterchangeFee <*IntrchngFee*>	[0..1]	±		110
	AgentFee <*AgtFee*>	[0..1]	±		111

5.4.2.3.7.1 ClearingMethod <ClrMtd>

Presence: [1..1]

Definition: Type of clearing method used.

Datatype: "ClearingMethod2Code" on page 1581

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 1640

5.4.2.3.7.3 ClearingPriority <ClrPrty>

Presence: [0..1]

Definition: Level of priority of clearing.

Datatype: "Max35Text" on page 1640

5.4.2.3.7.4 ClearingDate <ClrDt>

Presence: [0..1]

Definition: Date of clearing.

Datatype: "ISODate" on page 1631

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		110
	AccumulatedAmount <*AcmltdAmt*>	[1..1]	±		110

5.4.2.3.7.5.1 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions to clear.

Datatype: "Number" on page 1633

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

5.4.2.3.7.6 InterchangeFee <IntrchngFee>

Presence: [0..1]

Definition: Interchange fee.

InterchangeFee <IntrchngFee> contains the following elements (see "Amount14" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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		111
	ClearingControlAmount <*ClrCtrlAmt*>	[1..1]	±		111

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 1633

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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		112
	Target <*Trgt*>	[0..*]	CodeSet		112
	Format <*Frmt*>	[0..1]	CodeSet		113
	Value <*Val*>	[1..1]	Text		113

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 1608

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 1629

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 1605

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 1638

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		115
	RecordChecksumInputValue <*RcrdChcksmInptVal*>	[0..1]	Binary		115
	ClearingRecordData <*ClrRcrdData*>	[0..1]	±		115
	RecordMessage <*RcrdMsg*>	[1..1]			116
{Or	**AddendumInitiation** <*AdddmInitn*>	[1..1]	Binary		118
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		118
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		118
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		118
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		118
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		118
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		119
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		119
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		119
Or	**Error** <*Err*>	[1..1]	Binary		119
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		119
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		119
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		119
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		119
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		119
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		120
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		120
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		120
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		120
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		120
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		120
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		120
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		120
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		121
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		121
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		121
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		121

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		121
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		121
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		121
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		121
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		121
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		122
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		122
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		122
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		122
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		122
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		122

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 1633

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 1553

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 1006 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Originator <*Orgtr*>	[0..1]	±		1006
	Destination <*Dstn*>	[0..1]	±		1006
	ClearingMethod <*ClrMtd*>	[1..1]	CodeSet		1007
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		1007
	ClearingPriority <*ClrPrty*>	[0..1]	Text		1007
	ClearingDate <*ClrDt*>	[0..1]	Date		1007
	ClearingAmount <*ClrAmt*>	[0..1]	±		1007
	InterchangeFee <*IntrchngFee*>	[0..1]	±		1008
	AgentFee <*AgtFee*>	[0..1]	±		1008
	OtherAmount <*OthrAmt*>	[0..1]			1008
	ClearingCount <*ClrCnt*>	[1..1]	Quantity		1009
	ClearingAmount <*ClrAmt*>	[1..1]	±		1009
	InterchangeFee <*IntrchngFee*>	[0..1]	±		1009
	AgentFee <*AgtFee*>	[0..1]	±		1009

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		118
Or	**AddendumResponse** <*AdddmRspn*>	[1..1]	Binary		118
Or	**Amendment** <*Amdmnt*>	[1..1]	Binary		118
Or	**AuthorisationInitiation** <*AuthstnInitn*>	[1..1]	Binary		118
Or	**AuthorisationResponse** <*AuthstnRspn*>	[1..1]	Binary		118
Or	**CardManagementInitiation** <*CardMgmtInitn*>	[1..1]	Binary		118
Or	**CardManagementResponse** <*CardMgmtRspn*>	[1..1]	Binary		119
Or	**ChargeBackInitiation** <*ChrgBckInitn*>	[1..1]	Binary		119
Or	**ChargeBackResponse** <*ChrgBckRspn*>	[1..1]	Binary		119
Or	**Error** <*Err*>	[1..1]	Binary		119
Or	**FeeCollectionInitiation** <*FeeColltnInitn*>	[1..1]	Binary		119
Or	**FeeCollectionResponse** <*FeeColltnRspn*>	[1..1]	Binary		119
Or	**FileActionInitiation** <*FileActnInitn*>	[1..1]	Binary		119
Or	**FileActionResponse** <*FileActnRspn*>	[1..1]	Binary		119
Or	**FinancialInitiation** <*FinInitn*>	[1..1]	Binary		119
Or	**FinancialResponse** <*FinRspn*>	[1..1]	Binary		120
Or	**FraudDispositionInitiation** <*FrdDspstnInitn*>	[1..1]	Binary		120
Or	**FraudDispositionResponse** <*FrdDspstnRspn*>	[1..1]	Binary		120
Or	**FraudReportingInitiation** <*FrdRptgInitn*>	[1..1]	Binary		120
Or	**FraudReportingResponse** <*FrdRptgRspn*>	[1..1]	Binary		120
Or	**InquiryInitiation** <*NqryInitn*>	[1..1]	Binary		120
Or	**InquiryResponse** <*NqryRspn*>	[1..1]	Binary		120
Or	**KeyExchangeInitiation** <*KeyXchgInitn*>	[1..1]	Binary		120
Or	**KeyExchangeResponse** <*KeyXchgRspn*>	[1..1]	Binary		121
Or	**NetworkManagementInitiation** <*NtwkMgmtInitn*>	[1..1]	Binary		121
Or	**NetworkManagementResponse** <*NtwkMgmtRspn*>	[1..1]	Binary		121
Or	**ReconciliationInitiation** <*RcncltnInitn*>	[1..1]	Binary		121
Or	**ReconciliationResponse** <*RcncltnRspn*>	[1..1]	Binary		121
Or	**RetrievalInitiation** <*RtrvlInitn*>	[1..1]	Binary		121
Or	**RetrievalResponse** <*RtrvlRspn*>	[1..1]	Binary		121
Or	**RetrievalFulfilmentInitiation** <*RtrvlFlfmtInitn*>	[1..1]	Binary		121

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
Or	**RetrievalFulfilmentResponse** <*RtrvlFlfmtRspn*>	[1..1]	Binary		121
Or	**ReversalInitiation** <*RvslInitn*>	[1..1]	Binary		122
Or	**ReversalResponse** <*RvslRspn*>	[1..1]	Binary		122
Or	**SettlementReportingInitiation** <*SttlmRptgInitn*>	[1..1]	Binary		122
Or	**SettlementReportingResponse** <*SttlmRptgRspn*>	[1..1]	Binary		122
Or	**VerificationInitiation** <*VrfctnInitn*>	[1..1]	Binary		122
Or}	**VerificationResponse** <*VrfctnRspn*>	[1..1]	Binary		122

5.4.2.3.10.4.1 AddendumInitiation <AdddmInitn>

Presence: [1..1]

Definition: Addendum initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.2 AddendumResponse <AdddmRspn>

Presence: [1..1]

Definition: Addendum response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.3 Amendment <Amdmnt>

Presence: [1..1]

Definition: Amendment message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.4 AuthorisationInitiation <AuthstnInitn>

Presence: [1..1]

Definition: Authorisation initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.5 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Authorisation response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.6 CardManagementInitiation <CardMgmtInitn>

Presence: [1..1]

Definition: Card management initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.7 CardManagementResponse <CardMgmtRspn>

Presence: [1..1]

Definition: Card management response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.8 ChargeBackInitiation <ChrgBckInitn>

Presence: [1..1]

Definition: Chargeback initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.9 ChargeBackResponse <ChrgBckRspn>

Presence: [1..1]

Definition: Chargeback response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.10 Error <Err>

Presence: [1..1]

Definition: Error message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.11 FeeCollectionInitiation <FeeColltnInitn>

Presence: [1..1]

Definition: Fee collection initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.12 FeeCollectionResponse <FeeColltnRspn>

Presence: [1..1]

Definition: Fee collection response message record

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.13 FileActionInitiation <FileActnInitn>

Presence: [1..1]

Definition: File action initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.14 FileActionResponse <FileActnRspn>

Presence: [1..1]

Definition: File action response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.15 FinancialInitiation <FinInitn>

Presence: [1..1]

Definition: Financial initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.16 FinancialResponse <FinRspn>

Presence: [1..1]

Definition: Financial response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.17 FraudDispositionInitiation <FrdDspstnInitn>

Presence: [1..1]

Definition: Fraud disposition initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.18 FraudDispositionResponse <FrdDspstnRspn>

Presence: [1..1]

Definition: Fraud disposition response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.19 FraudReportingInitiation <FrdRptgInitn>

Presence: [1..1]

Definition: Fraud reporting initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.20 FraudReportingResponse <FrdRptgRspn>

Presence: [1..1]

Definition: Fraud reporting response record message.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.21 InquiryInitiation <NqryInitn>

Presence: [1..1]

Definition: Inquiry initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.22 InquiryResponse <NqryRspn>

Presence: [1..1]

Definition: Inquiry response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.23 KeyExchangeInitiation <KeyXchgInitn>

Presence: [1..1]

Definition: Key exchange initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.24 KeyExchangeResponse <KeyXchgRspn>

Presence: [1..1]

Definition: Key exchange response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.25 NetworkManagementInitiation <NtwkMgmtInitn>

Presence: [1..1]

Definition: Network management initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.26 NetworkManagementResponse <NtwkMgmtRspn>

Presence: [1..1]

Definition: Network management response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.27 ReconciliationInitiation <RcncltnInitn>

Presence: [1..1]

Definition: Reconciliation initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.28 ReconciliationResponse <RcncltnRspn>

Presence: [1..1]

Definition: Reconciliation response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.29 RetrievalInitiation <RtrvlInitn>

Presence: [1..1]

Definition: Retrieval initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.30 RetrievalResponse <RtrvlRspn>

Presence: [1..1]

Definition: Retrieval response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.31 RetrievalFulfilmentInitiation <RtrvlFlfmtInitn>

Presence: [1..1]

Definition: Retrieval fulfilment initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.32 RetrievalFulfilmentResponse <RtrvlFlfmtRspn>

Presence: [1..1]

Definition: Retrieval fulfilment response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.33 ReversalInitiation <RvslInitn>

Presence: [1..1]

Definition: Reversal initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.34 ReversalResponse <RvslRspn>

Presence: [1..1]

Definition: Reversal response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.35 SettlementReportingInitiation <SttlmRptgInitn>

Presence: [1..1]

Definition: Settlement reporting initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.36 SettlementReportingResponse <SttlmRptgRspn>

Presence: [1..1]

Definition: Settlement reporting response message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.37 VerificationInitiation <VrfctnInitn>

Presence: [1..1]

Definition: Verification initiation message record.

Datatype: "Max2MBBinary" on page 1553

5.4.2.3.10.4.38 VerificationResponse <VrfctnRspn>

Presence: [1..1]

Definition: Verification response message record.

Datatype: "Max2MBBinary" on page 1553

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		123
	Value <*Val*>	[0..1]	Text		123

5.4.2.3.11.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

5.4.2.3.11.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

5.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult3" on page 1518 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[1..1]	±		1518
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1519

5.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

6 DRAFT5caad.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]			130
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		131
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		131
	ExchangeIdentification <*XchgId*>	[0..1]	Text		131
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		132
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		132
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		132
	InitiatingParty <*InitgPty*>	[1..1]	±		132
	RecipientParty <*RcptPty*>	[0..1]	±		132
	TraceData <*TracData*>	[0..*]			133
	Type <*Tp*>	[0..1]	Text		133
	Value <*Val*>	[0..1]	Text		133
	Traceability <*Tracblt*>	[0..*]	±		133
	Body <*Body*>	[1..1]			134
	Environment <*Envt*>	[1..1]			135
	Originator <*Orgtr*>	[0..1]	±		136
	Sender <*Sndr*>	[0..1]	±		136
	Receiver <*Rcvr*>	[0..1]	±		136
	Destination <*Dstn*>	[0..1]	±		137
	Context <*Cntxt*>	[0..1]			137
	TransactionContext <*TxCntxt*>	[0..1]	±		137
	Transaction <*Tx*>	[1..1]			138
	ReconciliationFunction <*RcncltnFctn*>	[1..1]	CodeSet		138
	ReconciliationType <*RcncltnTp*>	[1..1]	CodeSet		139
	OtherReconciliationType <*OthrRcncltnTp*>	[0..1]	Text		139
	TransactionIdentification <*TxId*>	[0..1]	±		139
	RequestedCurrency <*ReqdCcy*>	[0..*]	Text		139
	ReconciliationTotals <*RcncltnTtls*>	[0..*]			140
	Reconciliation <*Rcncltn*>	[0..1]	±		140

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialReconciliation <*FinRcncltn*>	[0..*]	±		140
	MessageReconciliation <*MsgRcncltn*>	[0..*]	±		141
	AdditionalFeeReconciliation <*AddtlFeeRcncltn*>	[0..*]	±		141
	Currency <*Ccy*>	[1..1]	Text		141
	NetAmountReconciliation <*NetAmtRcncltn*>	[0..1]	±		141
	AdditionalFees <*AddtlFees*>	[0..*]	±		142
	AdditionalData <*AddtlData*>	[0..*]			142
	Type <*Tp*>	[0..1]	Text		142
	Value <*Val*>	[0..1]	Text		142
	ProtectedData <*PrtctdData*>	[0..*]	±		143
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	146
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		146

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		131
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		131
	ExchangeIdentification <*XchgId*>	[0..1]	Text		131
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		132
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		132
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		132
	InitiatingParty <*InitgPty*>	[1..1]	±		132
	RecipientParty <*RcptPty*>	[0..1]	±		132
	TraceData <*TracData*>	[0..*]			133
	Type <*Tp*>	[0..1]	Text		133
	Value <*Val*>	[0..1]	Text		133
	Traceability <*Tracblt*>	[0..*]	±		133

6.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

6.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

6.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

6.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

6.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

6.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

6.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

6.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

6.4.1.9 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		133
	Value <*Val*>	[0..1]	Text		133

6.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

6.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

6.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			135
	Originator <*Orgtr*>	[0..1]	±		136
	Sender <*Sndr*>	[0..1]	±		136
	Receiver <*Rcvr*>	[0..1]	±		136
	Destination <*Dstn*>	[0..1]	±		137
	Context <*Cntxt*>	[0..1]			137
	TransactionContext <*TxCntxt*>	[0..1]	±		137
	Transaction <*Tx*>	[1..1]			138
	ReconciliationFunction <*RcncltnFctn*>	[1..1]	CodeSet		138
	ReconciliationType <*RcncltnTp*>	[1..1]	CodeSet		139
	OtherReconciliationType <*OthrRcncltnTp*>	[0..1]	Text		139
	TransactionIdentification <*TxId*>	[0..1]	±		139
	RequestedCurrency <*ReqdCcy*>	[0..*]	Text		139
	ReconciliationTotals <*RcncltnTtls*>	[0..*]			140
	Reconciliation <*Rcncltn*>	[0..1]	±		140
	FinancialReconciliation <*FinRcncltn*>	[0..*]	±		140
	MessageReconciliation <*MsgRcncltn*>	[0..*]	±		141
	AdditionalFeeReconciliation <*AddtlFeeRcncltn*>	[0..*]	±		141
	Currency <*Ccy*>	[1..1]	Text		141
	NetAmountReconciliation <*NetAmtRcncltn*>	[0..1]	±		141
	AdditionalFees <*AddtlFees*>	[0..*]	±		142
	AdditionalData <*AddtlData*>	[0..*]			142
	Type <*Tp*>	[0..1]	Text		142
	Value <*Val*>	[0..1]	Text		142
	ProtectedData <*PrtctdData*>	[0..*]	±		143
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	146

6.4.2.1 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]	±		136
	Sender <*Sndr*>	[0..1]	±		136
	Receiver <*Rcvr*>	[0..1]	±		136
	Destination <*Dstn*>	[0..1]	±		137

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]	±		137

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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		138
	ReconciliationType <*RcncltnTp*>	[1..1]	CodeSet		139
	OtherReconciliationType <*OthrRcncltnTp*>	[0..1]	Text		139
	TransactionIdentification <*TxId*>	[0..1]	±		139
	RequestedCurrency <*ReqdCcy*>	[0..*]	Text		139
	ReconciliationTotals <*RcncltnTtls*>	[0..*]			140
	Reconciliation <*Rcncltn*>	[0..1]	±		140
	FinancialReconciliation <*FinRcncltn*>	[0..*]	±		140
	MessageReconciliation <*MsgRcncltn*>	[0..*]	±		141
	AdditionalFeeReconciliation <*AddtlFeeRcncltn*>	[0..*]	±		141
	Currency <*Ccy*>	[1..1]	Text		141
	NetAmountReconciliation <*NetAmtRcncltn*>	[0..1]	±		141
	AdditionalFees <*AddtlFees*>	[0..*]	±		142
	AdditionalData <*AddtlData*>	[0..*]			142
	Type <*Tp*>	[0..1]	Text		142
	Value <*Val*>	[0..1]	Text		142

6.4.2.3.1 ReconciliationFunction <RcncltnFctn>

Presence: [1..1]

Definition: Type of reconciliation.

Datatype: "ReconciliationFunction1Code" on page 1616

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 <RncltnTp>

Presence: [1..1]

Definition: Type of reconciliation.

Datatype: "CardServiceType4Code" on page 1579

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 <OthrRncltnTp>

Presence: [0..1]

Definition: Other type of reconciliation.

Datatype: "Max35Text" on page 1640

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 1404 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

6.4.2.3.5 RequestedCurrency <ReqdCcy>

Presence: [0..*]

Definition: Requested currency by the acceptor.

ISO 4217

Datatype: "Exact3NumericText" on page 1634

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]	±		140
	FinancialReconciliation <*FinRcncltn*>	[0..*]	±		140
	MessageReconciliation <*MsgRcncltn*>	[0..*]	±		141
	AdditionalFeeReconciliation <*AddtlFeeRcncltn*>	[0..*]	±		141
	Currency <*Ccy*>	[1..1]	Text		141
	NetAmountReconciliation <*NetAmtRcncltn*>	[0..1]	±		141

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 1384 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1384
	Date <*Dt*>	[0..1]	Date		1385
	CheckpointReference <*ChckptRef*>	[0..1]	Text		1385

6.4.2.3.6.2 FinancialReconciliation <FinRcncltn>

Presence: [0..*]

Definition: Total of credit transactions.

FinancialReconciliation <FinRcncltn> contains the following elements (see "FinancialReconcillation1" on page 1387 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <*RcncltnImpct*>	[1..1]	CodeSet		1387
	Type <*Tp*>	[1..1]	CodeSet		1387
	OtherType <*OthrTp*>	[0..1]	Text		1387
	Amount <*Amt*>	[1..1]	Amount		1387
	Count <*Cnt*>	[1..1]	Quantity		1388

6.4.2.3.6.3 MessageReconciliation <MsgRcncltn>

Presence: [0..*]

Definition: Contains total message count.

MessageReconciliation <MsgRcncltn> contains the following elements (see "MessageReconcillation1" on page 1385 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1385
	OtherType <*OthrTp*>	[0..1]	Text		1386
	Count <*Cnt*>	[1..1]	Quantity		1386

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 1383 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <*RcncltnImpct*>	[1..1]	CodeSet		1383
	Type <*Tp*>	[1..1]	CodeSet		1383
	OtherType <*OthrTp*>	[0..1]	Text		1384
	Amount <*Amt*>	[1..1]	Amount		1384
	Count <*Cnt*>	[1..1]	Quantity		1384

6.4.2.3.6.5 Currency <Ccy>

Presence: [1..1]

Definition: Currency of the transaction.

Datatype: "Min2Max3NumericText" on page 1643

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 990 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		990
	Sign <*Sgn*>	[0..1]	Indicator		991

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		142
	Value <*Val*>	[0..1]	Text		142

6.4.2.3.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

6.4.2.3.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

6.4.2.4 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

7 DRAFT5caad.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]			150
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		151
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		151
	ExchangeIdentification <*XchgId*>	[0..1]	Text		151
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		152
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		152
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		152
	InitiatingParty <*InitgPty*>	[1..1]	±		152
	RecipientParty <*RcptPty*>	[0..1]	±		152
	TraceData <*TracData*>	[0..*]			153
	Type <*Tp*>	[0..1]	Text		153
	Value <*Val*>	[0..1]	Text		153
	Traceability <*Tracblt*>	[0..*]	±		153
	Body <*Body*>	[1..1]			154
	Environment <*Envt*>	[1..1]			155
	Originator <*Orgtr*>	[0..1]	±		156
	Sender <*Sndr*>	[0..1]	±		156
	Receiver <*Rcvr*>	[0..1]	±		156
	Destination <*Dstn*>	[0..1]	±		157
	Context <*Cntxt*>	[0..1]			157
	TransactionContext <*TxCntxt*>	[0..1]			157
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		158
	Transaction <*Tx*>	[1..1]			158
	ReconciliationFunction <*RcncltnFctn*>	[1..1]	CodeSet		158
	ReconciliationType <*RcncltnTp*>	[1..1]	CodeSet		159
	OtherReconciliationType <*OthrRcncltnTp*>	[0..1]	Text		159
	TransactionIdentification <*TxId*>	[0..1]	±		159
	RequestedCurrency <*ReqdCcy*>	[0..*]	Text		159
	ReconciliationTotals <*RcncltnTtls*>	[0..*]			160

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Reconciliation <*Rcncltn*>	[0..1]	±		160
	FinancialReconciliation <*FinRcncltn*>	[0..*]	±		160
	MessageReconciliation <*MsgRcncltn*>	[0..*]	±		161
	AdditionalFeeReconciliation <*AddtlFeeRcncltn*>	[0..*]	±		161
	Currency <*Ccy*>	[1..1]	Text		161
	NetAmountReconciliation <*NetAmtRcncltn*>	[0..1]	±		162
	AdditionalFees <*AddtlFees*>	[0..*]	±		162
	AdditionalData <*AddtlData*>	[0..*]			162
	Type <*Tp*>	[0..1]	Text		162
	Value <*Val*>	[0..1]	Text		163
	ProcessingResult <*PrcgRslt*>	[1..1]	±		163
	ProtectedData <*PrtctdData*>	[0..*]	±		163
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	166
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		166

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		151
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		151
	ExchangeIdentification <*XchgId*>	[0..1]	Text		151
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		152
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		152
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		152
	InitiatingParty <*InitgPty*>	[1..1]	±		152
	RecipientParty <*RcptPty*>	[0..1]	±		152
	TraceData <*TracData*>	[0..*]			153
	Type <*Tp*>	[0..1]	Text		153
	Value <*Val*>	[0..1]	Text		153
	Traceability <*Tracblt*>	[0..*]	±		153

7.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

7.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

7.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

7.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

7.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

7.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

7.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

7.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

7.4.1.9 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		153
	Value <*Val*>	[0..1]	Text		153

7.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

7.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

7.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			155
	Originator <*Orgtr*>	[0..1]	±		156
	Sender <*Sndr*>	[0..1]	±		156
	Receiver <*Rcvr*>	[0..1]	±		156
	Destination <*Dstn*>	[0..1]	±		157
	Context <*Cntxt*>	[0..1]			157
	TransactionContext <*TxCntxt*>	[0..1]			157
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		158
	Transaction <*Tx*>	[1..1]			158
	ReconciliationFunction <*RcncltnFctn*>	[1..1]	CodeSet		158
	ReconciliationType <*RcncltnTp*>	[1..1]	CodeSet		159
	OtherReconciliationType <*OthrRcncltnTp*>	[0..1]	Text		159
	TransactionIdentification <*TxId*>	[0..1]	±		159
	RequestedCurrency <*ReqdCcy*>	[0..*]	Text		159
	ReconciliationTotals <*RcncltnTtls*>	[0..*]			160
	Reconciliation <*Rcncltn*>	[0..1]	±		160
	FinancialReconciliation <*FinRcncltn*>	[0..*]	±		160
	MessageReconciliation <*MsgRcncltn*>	[0..*]	±		161
	AdditionalFeeReconciliation <*AddtlFeeRcncltn*>	[0..*]	±		161
	Currency <*Ccy*>	[1..1]	Text		161
	NetAmountReconciliation <*NetAmtRcncltn*>	[0..1]	±		162
	AdditionalFees <*AddtlFees*>	[0..*]	±		162
	AdditionalData <*AddtlData*>	[0..*]			162
	Type <*Tp*>	[0..1]	Text		162
	Value <*Val*>	[0..1]	Text		163
	ProcessingResult <*PrcgRslt*>	[1..1]	±		163
	ProtectedData <*PrtctdData*>	[0..*]	±		163
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	166

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]	±		156
	Sender <*Sndr*>	[0..1]	±		156
	Receiver <*Rcvr*>	[0..1]	±		156
	Destination <*Dstn*>	[0..1]	±		157

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]			157
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		158

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]	±		158

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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 <*RncltnFctn*>	[1..1]	CodeSet		158
	ReconciliationType <*RncltnTp*>	[1..1]	CodeSet		159
	OtherReconciliationType <*OthrRncltnTp*>	[0..1]	Text		159
	TransactionIdentification <*TxId*>	[0..1]	±		159
	RequestedCurrency <*ReqdCcy*>	[0..*]	Text		159
	ReconciliationTotals <*RncltnTtls*>	[0..*]			160
	Reconciliation <*Rncltn*>	[0..1]	±		160
	FinancialReconciliation <*FinRncltn*>	[0..*]	±		160
	MessageReconciliation <*MsgRncltn*>	[0..*]	±		161
	AdditionalFeeReconciliation <*AddtlFeeRncltn*>	[0..*]	±		161
	Currency <*Ccy*>	[1..1]	Text		161
	NetAmountReconciliation <*NetAmtRncltn*>	[0..1]	±		162
	AdditionalFees <*AddtlFees*>	[0..*]	±		162
	AdditionalData <*AddtlData*>	[0..*]			162
	Type <*Tp*>	[0..1]	Text		162
	Value <*Val*>	[0..1]	Text		163

7.4.2.3.1 ReconciliationFunction <RncltnFctn>

Presence: [1..1]

Definition: Type of reconciliation.

Datatype: "ReconciliationFunction1Code" on page 1616

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 <RncltnTp>

Presence: [1..1]

Definition: Type of reconciliation.

Datatype: "CardServiceType4Code" on page 1579

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 <OthrRncltnTp>

Presence: [0..1]

Definition: Other type of reconciliation.

Datatype: "Max35Text" on page 1640

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 1404 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

7.4.2.3.5 RequestedCurrency <ReqdCcy>

Presence: [0..*]

Definition: Requested currency by the acceptor.

ISO 4217

Datatype: "Exact3NumericText" on page 1634

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]	±		160
	FinancialReconciliation <*FinRcncltn*>	[0..*]	±		160
	MessageReconciliation <*MsgRcncltn*>	[0..*]	±		161
	AdditionalFeeReconciliation <*AddtlFeeRcncltn*>	[0..*]	±		161
	Currency <*Ccy*>	[1..1]	Text		161
	NetAmountReconciliation <*NetAmtRcncltn*>	[0..1]	±		162

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 1384 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1384
	Date <*Dt*>	[0..1]	Date		1385
	CheckpointReference <*ChckptRef*>	[0..1]	Text		1385

7.4.2.3.6.2 FinancialReconciliation <FinRcncltn>

Presence: [0..*]

Definition: Total of credit transactions.

FinancialReconciliation <FinRcncltn> contains the following elements (see "FinancialReconcillation1" on page 1387 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <*RcncltnImpct*>	[1..1]	CodeSet		1387
	Type <*Tp*>	[1..1]	CodeSet		1387
	OtherType <*OthrTp*>	[0..1]	Text		1387
	Amount <*Amt*>	[1..1]	Amount		1387
	Count <*Cnt*>	[1..1]	Quantity		1388

7.4.2.3.6.3 MessageReconciliation <MsgRcncltn>

Presence: [0..*]

Definition: Contains total message count.

MessageReconciliation <MsgRcncltn> contains the following elements (see "MessageReconcillation1" on page 1385 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1385
	OtherType <*OthrTp*>	[0..1]	Text		1386
	Count <*Cnt*>	[1..1]	Quantity		1386

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 1383 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <*RcncltnImpct*>	[1..1]	CodeSet		1383
	Type <*Tp*>	[1..1]	CodeSet		1383
	OtherType <*OthrTp*>	[0..1]	Text		1384
	Amount <*Amt*>	[1..1]	Amount		1384
	Count <*Cnt*>	[1..1]	Quantity		1384

7.4.2.3.6.5 Currency <Ccy>

Presence: [1..1]

Definition: Currency of the transaction.

Datatype: "Min2Max3NumericText" on page 1643

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 990 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		990
	Sign <*Sgn*>	[0..1]	Indicator		991

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		162
	Value <*Val*>	[0..1]	Text		163

7.4.2.3.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

7.4.2.3.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

7.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult4" on page 1515 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

7.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

8 DRAFT5caad.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]			170
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		171
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		171
	ExchangeIdentification <*XchgId*>	[0..1]	Text		171
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		171
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		171
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		171
	InitiatingParty <*InitgPty*>	[1..1]	±		172
	RecipientParty <*RcptPty*>	[0..1]	±		172
	TraceData <*TracData*>	[0..*]			173
	Type <*Tp*>	[0..1]	Text		173
	Value <*Val*>	[0..1]	Text		173
	Traceability <*Tracblt*>	[0..*]	±		173
	Body <*Body*>	[1..1]			173
	Context <*Cntxt*>	[0..1]			174
	TransactionContext <*TxCntxt*>	[0..1]			174
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		175
	Transaction <*Tx*>	[1..1]			175
	TransactionIdentification <*TxId*>	[1..1]	±		175
	ErrorDetail <*ErrDtl*>	[1..*]			176
	MessageErrorType <*MsgErrTp*>	[1..1]	CodeSet		176
	OtherMessageErrorType <*OthrMsgErrTp*>	[0..1]	Text		177
	ErrorCode <*ErrCd*>	[0..1]	Text		177
	ErrorDescription <*ErrDesc*>	[0..1]	Text		177
	DataElementInError <*DataElmtInErr*>	[0..*]	Text		177
	OriginalMessage <*OrgnlMsg*>	[0..1]	Binary		177
	AdditionalFees <*AddtlFees*>	[0..*]	±		178
	AdditionalData <*AddtlData*>	[0..*]			178
	Type <*Tp*>	[0..1]	Text		178

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Value <*Val*>	[0..1]	Text		178
	ProtectedData <*PrtctdData*>	[0..*]	±		178
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	181
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		181

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 **Header45** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		171
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		171
	ExchangeIdentification <*XchgId*>	[0..1]	Text		171
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		171
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		171
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		171
	InitiatingParty <*InitgPty*>	[1..1]	±		172
	RecipientParty <*RcptPty*>	[0..1]	±		172
	TraceData <*TracData*>	[0..*]			173
	Type <*Tp*>	[0..1]	Text		173
	Value <*Val*>	[0..1]	Text		173
	Traceability <*Tracblt*>	[0..*]	±		173

8.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction39Code" on page 1602

CodeName	Name	Definition
RENO	RejectNotification	Notification of a rejected message.
ERNO	ErrorNotification	Notification of a message containing errors.

8.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

8.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

8.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

8.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

8.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

8.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

8.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

8.4.1.9 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		173
	Value <*Val*>	[0..1]	Text		173

8.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

8.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

8.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			174
	TransactionContext <*TxCntxt*>	[0..1]			174
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		175
	Transaction <*Tx*>	[1..1]			175
	TransactionIdentification <*TxId*>	[1..1]	±		175
	ErrorDetail <*ErrDtl*>	[1..*]			176
	MessageErrorType <*MsgErrTp*>	[1..1]	CodeSet		176
	OtherMessageErrorType <*OthrMsgErrTp*>	[0..1]	Text		177
	ErrorCode <*ErrCd*>	[0..1]	Text		177
	ErrorDescription <*ErrDesc*>	[0..1]	Text		177
	DataElementInError <*DataElmtInErr*>	[0..*]	Text		177
	OriginalMessage <*OrgnlMsg*>	[0..1]	Binary		177
	AdditionalFees <*AddtlFees*>	[0..*]	±		178
	AdditionalData <*AddtlData*>	[0..*]			178
	Type <*Tp*>	[0..1]	Text		178
	Value <*Val*>	[0..1]	Text		178
	ProtectedData <*PrtctdData*>	[0..*]	±		178
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	181

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]			174
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		175

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 <*CardPrgrmmApId*>	[0..1]	±		175

8.4.2.1.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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]	±		175
	ErrorDetail <*ErrDtl*>	[1..*]			176
	MessageErrorType <*MsgErrTp*>	[1..1]	CodeSet		176
	OtherMessageErrorType <*OthrMsgErrTp*>	[0..1]	Text		177
	ErrorCode <*ErrCd*>	[0..1]	Text		177
	ErrorDescription <*ErrDesc*>	[0..1]	Text		177
	DataElementInError <*DataElmtInErr*>	[0..*]	Text		177
	OriginalMessage <*OrgnlMsg*>	[0..1]	Binary		177
	AdditionalFees <*AddtlFees*>	[0..*]	±		178
	AdditionalData <*AddtlData*>	[0..*]			178
	Type <*Tp*>	[0..1]	Text		178
	Value <*Val*>	[0..1]	Text		178

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 1404 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

8.4.2.2.2 ErrorDetail <ErrDtl>

Presence: [1..*]

Definition: Contains error details.

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

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageErrorType <*MsgErrTp*>	[1..1]	CodeSet		176
	OtherMessageErrorType <*OthrMsgErrTp*>	[0..1]	Text		177
	ErrorCode <*ErrCd*>	[0..1]	Text		177
	ErrorDescription <*ErrDesc*>	[0..1]	Text		177
	DataElementInError <*DataElmtInErr*>	[0..*]	Text		177

8.4.2.2.2.1 MessageErrorType <MsgErrTp>

Presence: [1..1]

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

Datatype: "MessageError1" on page 1599

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 1640

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 1640

8.4.2.2.2.4 ErrorDescription <ErrDesc>

Presence: [0..1]

Definition: Other Message Error Code.

Datatype: "Max500Text" on page 1641

8.4.2.2.2.5 DataElementInError <DataElmtInErr>

Presence: [0..*]

Definition: Data element in error.

Datatype: "Max4000Text" on page 1640

8.4.2.2.3 OriginalMessage <OrgnlMsg>

Presence: [0..1]

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

Datatype: "Max100KBinary" on page 1553

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		178
	Value <*Val*>	[0..1]	Text		178

8.4.2.2.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

8.4.2.2.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

8.4.2.3 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

9 DRAFT5cafc.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.

   ISO 8583 MTI

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> <FeeColltnInitn>	[1..1]			
	Header <*Hdr*>	[1..1]			185
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		186
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		186
	ExchangeIdentification <*XchgId*>	[0..1]	Text		186
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		186
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		187
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		187
	InitiatingParty <*InitgPty*>	[1..1]	±		187
	RecipientParty <*RcptPty*>	[0..1]	±		187
	TraceData <*TracData*>	[0..*]			188
	Type <*Tp*>	[0..1]	Text		188
	Value <*Val*>	[0..1]	Text		188
	Traceability <*Tracblt*>	[0..*]	±		188
	Body <*Body*>	[1..1]			189
	Environment <*Envt*>	[1..1]			190
	Acquirer <*Acqrr*>	[0..1]	±		191
	Originator <*Orgtr*>	[0..1]	±		191
	Sender <*Sndr*>	[0..1]	±		192
	Receiver <*Rcvr*>	[0..1]	±		192
	Acceptor <*Accptr*>	[0..1]	±		192
	Destination <*Dstn*>	[0..1]	±		193
	Card <*Card*>	[0..1]	±		194
	Token <*Tkn*>	[0..1]	±		194
	Context <*Cntxt*>	[0..1]			194
	TransactionContext <*TxCntxt*>	[0..1]	±		194
	Transaction <*Tx*>	[1..1]			195
	TransactionType <*TxTp*>	[1..1]	Text		195
	TransactionSubType <*TxSubTp*>	[0..1]	Text		195
	MessageReason <*MsgRsn*>	[0..*]	Text		196

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		196
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		196
	TransactionIdentification <*TxId*>	[1..1]	±		196
	TransactionAmounts <*TxAmts*>	[1..1]	±		197
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		197
	AdditionalFees <*AddtlFees*>	[0..*]	±		198
	AdditionalData <*AddtlData*>	[0..*]			198
	Type <*Tp*>	[0..1]	Text		198
	Value <*Val*>	[0..1]	Text		199
	ProcessingResult <*PrcgRslt*>	[0..1]	±		199
	ProtectedData <*PrtctdData*>	[0..*]	±		199
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	202
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		202

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		186
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		186
	ExchangeIdentification <*XchgId*>	[0..1]	Text		186
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		186
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		187
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		187
	InitiatingParty <*InitgPty*>	[1..1]	±		187
	RecipientParty <*RcptPty*>	[0..1]	±		187
	TraceData <*TracData*>	[0..*]			188
	Type <*Tp*>	[0..1]	Text		188
	Value <*Val*>	[0..1]	Text		188
	Traceability <*Tracblt*>	[0..*]	±		188

9.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

9.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

9.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

9.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

9.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

9.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

9.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

9.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

9.4.1.9 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		188
	Value <*Val*>	[0..1]	Text		188

9.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

9.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

9.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			190
	Acquirer <*Acqrr*>	[0..1]	±		191
	Originator <*Orgtr*>	[0..1]	±		191
	Sender <*Sndr*>	[0..1]	±		192
	Receiver <*Rcvr*>	[0..1]	±		192
	Acceptor <*Accptr*>	[0..1]	±		192
	Destination <*Dstn*>	[0..1]	±		193
	Card <*Card*>	[0..1]	±		194
	Token <*Tkn*>	[0..1]	±		194
	Context <*Cntxt*>	[0..1]			194
	TransactionContext <*TxCntxt*>	[0..1]	±		194
	Transaction <*Tx*>	[1..1]			195
	TransactionType <*TxTp*>	[1..1]	Text		195
	TransactionSubType <*TxSubTp*>	[0..1]	Text		195
	MessageReason <*MsgRsn*>	[0..*]	Text		196
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		196
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		196
	TransactionIdentification <*TxId*>	[1..1]	±		196
	TransactionAmounts <*TxAmts*>	[1..1]	±		197
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		197
	AdditionalFees <*AddtlFees*>	[0..*]	±		198
	AdditionalData <*AddtlData*>	[0..*]			198
	Type <*Tp*>	[0..1]	Text		198
	Value <*Val*>	[0..1]	Text		199
	ProcessingResult <*PrcgRslt*>	[0..1]	±		199
	ProtectedData <*PrtctdData*>	[0..*]	±		199
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	202

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]	±		191
	Originator <*Orgtr*>	[0..1]	±		191
	Sender <*Sndr*>	[0..1]	±		192
	Receiver <*Rcvr*>	[0..1]	±		192
	Acceptor <*Accptr*>	[0..1]	±		192
	Destination <*Dstn*>	[0..1]	±		193
	Card <*Card*>	[0..1]	±		194
	Token <*Tkn*>	[0..1]	±		194

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

9.4.2.1.5 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1023 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1024
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1024
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1024
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1024

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		194

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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		195
	TransactionSubType <*TxSubTp*>	[0..1]	Text		195
	MessageReason <*MsgRsn*>	[0..*]	Text		196
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		196
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		196
	TransactionIdentification <*TxId*>	[1..1]	±		196
	TransactionAmounts <*TxAmts*>	[1..1]	±		197
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		197
	AdditionalFees <*AddtlFees*>	[0..*]	±		198
	AdditionalData <*AddtlData*>	[0..*]			198
	Type <*Tp*>	[0..1]	Text		198
	Value <*Val*>	[0..1]	Text		199

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 1634

9.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1635

9.4.2.3.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

Definition: Alternate message reason to send the message.

Datatype: "Max35Text" on page 1640

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 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1400 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1401
	TimeZone <*TmZone*>	[0..1]	Text		1401
	TransactionReference <*TxRef*>	[0..1]	Text		1401
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1401
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1402
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1402
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1402
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1402
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1403
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1403
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1403
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1403
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1403

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 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 976 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		198
	Value <*Val*>	[0..1]	Text		199

9.4.2.3.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

9.4.2.3.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1515 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

9.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

10 DRAFT5cafc.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]			206
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		207
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		207
	ExchangeIdentification <*XchgId*>	[0..1]	Text		207
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		207
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		208
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		208
	InitiatingParty <*InitgPty*>	[1..1]	±		208
	RecipientParty <*RcptPty*>	[0..1]	±		208
	TraceData <*TracData*>	[0..*]			209
	Type <*Tp*>	[0..1]	Text		209
	Value <*Val*>	[0..1]	Text		209
	Traceability <*Tracblt*>	[0..*]	±		209
	Body <*Body*>	[1..1]			210
	Environment <*Envt*>	[1..1]			211
	Acquirer <*Acqrr*>	[0..1]	±		212
	Originator <*Orgtr*>	[0..1]	±		212
	Sender <*Sndr*>	[0..1]	±		213
	Receiver <*Rcvr*>	[0..1]	±		213
	Acceptor <*Accptr*>	[0..1]	±		213
	Destination <*Dstn*>	[0..1]	±		214
	Card <*Card*>	[0..1]	±		215
	Token <*Tkn*>	[0..1]	±		215
	Context <*Cntxt*>	[0..1]			215
	TransactionContext <*TxCntxt*>	[0..1]	±		215
	Transaction <*Tx*>	[1..1]			216
	TransactionType <*TxTp*>	[1..1]	Text		216
	TransactionSubType <*TxSubTp*>	[0..1]	Text		216
	MessageReason <*MsgRsn*>	[0..*]	Text		217

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		217
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		217
	TransactionIdentification <*TxId*>	[1..1]	±		217
	TransactionAmounts <*TxAmts*>	[1..1]	±		218
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		218
	AdditionalFees <*AddtlFees*>	[0..*]	±		219
	AdditionalData <*AddtlData*>	[0..*]			219
	Type <*Tp*>	[0..1]	Text		219
	Value <*Val*>	[0..1]	Text		220
	ProcessingResult <*PrcgRslt*>	[1..1]	±		220
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	220
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		221

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		207
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		207
	ExchangeIdentification <*XchgId*>	[0..1]	Text		207
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		207
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		208
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		208
	InitiatingParty <*InitgPty*>	[1..1]	±		208
	RecipientParty <*RcptPty*>	[0..1]	±		208
	TraceData <*TracData*>	[0..*]			209
	Type <*Tp*>	[0..1]	Text		209
	Value <*Val*>	[0..1]	Text		209
	Traceability <*Tracblt*>	[0..*]	±		209

10.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

10.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

10.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

10.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

10.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

10.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

10.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

10.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

10.4.1.9 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		209
	Value <*Val*>	[0..1]	Text		209

10.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

10.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

10.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			211
	Acquirer <*Acqrr*>	[0..1]	±		212
	Originator <*Orgtr*>	[0..1]	±		212
	Sender <*Sndr*>	[0..1]	±		213
	Receiver <*Rcvr*>	[0..1]	±		213
	Acceptor <*Accptr*>	[0..1]	±		213
	Destination <*Dstn*>	[0..1]	±		214
	Card <*Card*>	[0..1]	±		215
	Token <*Tkn*>	[0..1]	±		215
	Context <*Cntxt*>	[0..1]			215
	TransactionContext <*TxCntxt*>	[0..1]	±		215
	Transaction <*Tx*>	[1..1]			216
	TransactionType <*TxTp*>	[1..1]	Text		216
	TransactionSubType <*TxSubTp*>	[0..1]	Text		216
	MessageReason <*MsgRsn*>	[0..*]	Text		217
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		217
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		217
	TransactionIdentification <*TxId*>	[1..1]	±		217
	TransactionAmounts <*TxAmts*>	[1..1]	±		218
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		218
	AdditionalFees <*AddtlFees*>	[0..*]	±		219
	AdditionalData <*AddtlData*>	[0..*]			219
	Type <*Tp*>	[0..1]	Text		219
	Value <*Val*>	[0..1]	Text		220
	ProcessingResult <*PrcgRslt*>	[1..1]	±		220
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	220

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]	±		212
	Originator <*Orgtr*>	[0..1]	±		212
	Sender <*Sndr*>	[0..1]	±		213
	Receiver <*Rcvr*>	[0..1]	±		213
	Acceptor <*Accptr*>	[0..1]	±		213
	Destination <*Dstn*>	[0..1]	±		214
	Card <*Card*>	[0..1]	±		215
	Token <*Tkn*>	[0..1]	±		215

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

10.4.2.1.5 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1023 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1024
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1024
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1024
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1024

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		215

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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		216
	TransactionSubType <*TxSubTp*>	[0..1]	Text		216
	MessageReason <*MsgRsn*>	[0..*]	Text		217
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		217
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		217
	TransactionIdentification <*TxId*>	[1..1]	±		217
	TransactionAmounts <*TxAmts*>	[1..1]	±		218
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		218
	AdditionalFees <*AddtlFees*>	[0..*]	±		219
	AdditionalData <*AddtlData*>	[0..*]			219
	Type <*Tp*>	[0..1]	Text		219
	Value <*Val*>	[0..1]	Text		220

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 1634

10.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1635

10.4.2.3.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

Definition: Alternate message reason to send the message.

Datatype: "Max35Text" on page 1640

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 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1400 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1401
	TimeZone <*TmZone*>	[0..1]	Text		1401
	TransactionReference <*TxRef*>	[0..1]	Text		1401
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1401
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1402
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1402
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1402
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1402
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1403
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1403
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1403
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1403
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1403

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 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 976 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		219
	Value <*Val*>	[0..1]	Text		220

10.4.2.3.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

10.4.2.3.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1515 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

11 DRAFT5cafm.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> <FileActnInitn>	[1..1]			
	Header <*Hdr*>	[1..1]			224
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		225
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		225
	ExchangeIdentification <*XchgId*>	[0..1]	Text		225
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		226
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		226
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		226
	InitiatingParty <*InitgPty*>	[1..1]	±		226
	RecipientParty <*RcptPty*>	[0..1]	±		226
	TraceData <*TracData*>	[0..*]			227
	Type <*Tp*>	[0..1]	Text		227
	Value <*Val*>	[0..1]	Text		227
	Traceability <*Tracblt*>	[0..*]	±		227
	Body <*Body*>	[1..1]			228
	Environment <*Envt*>	[1..1]			230
	Originator <*Orgtr*>	[0..1]	±		230
	Sender <*Sndr*>	[0..1]	±		230
	Receiver <*Rcvr*>	[0..1]	±		230
	Destination <*Dstn*>	[0..1]	±		231
	Context <*Cntxt*>	[0..1]			231
	TransactionContext <*TxCntxt*>	[0..1]			231
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		232
	Transaction <*Tx*>	[1..1]			232
	MessageReason <*MsgRsn*>	[0..*]	Text		233
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		233
	TransactionIdentification <*TxId*>	[1..1]	±		233
	FileActionScope <*FileActnScp*>	[1..1]	CodeSet		234
	FileActionType <*FileActnTp*>	[1..1]	CodeSet		234
	OtherFileActionType <*OthrFileActnTp*>	[0..1]	Text		235

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FileActionDetails <*FileActnDtls*>	[1..1]			235
	FileName <*FileNm*>	[1..1]	Text		235
	DataRecord <*DataRcrd*>	[1..1]	Binary		235
	ActionDate <*ActnDt*>	[0..1]	Date		236
	FileSecurityCode <*FileSctyCd*>	[0..1]	Text		236
	AdditionalFees <*AddtlFees*>	[0..*]	±		236
	AdditionalData <*AddtlData*>	[0..*]			236
	Type <*Tp*>	[0..1]	Text		236
	Value <*Val*>	[0..1]	Text		237
	ProcessingResult <*PrcgRslt*>	[0..1]			237
	Result <*Rslt*>	[0..1]	CodeSet		237
	OtherResult <*OthrRslt*>	[0..1]	Text		237
	ResultDetails <*RsltDtls*>	[1..1]	Text		238
	ProtectedData <*PrtctdData*>	[0..*]	±		238
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	241
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		241

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		225
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		225
	ExchangeIdentification <*XchgId*>	[0..1]	Text		225
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		226
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		226
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		226
	InitiatingParty <*InitgPty*>	[1..1]	±		226
	RecipientParty <*RcptPty*>	[0..1]	±		226
	TraceData <*TracData*>	[0..*]			227
	Type <*Tp*>	[0..1]	Text		227
	Value <*Val*>	[0..1]	Text		227
	Traceability <*Tracblt*>	[0..*]	±		227

11.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

11.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

11.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

11.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

11.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

11.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

11.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

11.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

11.4.1.9 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		227
	Value <*Val*>	[0..1]	Text		227

11.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

11.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

11.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			230
	Originator <*Orgtr*>	[0..1]	±		230
	Sender <*Sndr*>	[0..1]	±		230
	Receiver <*Rcvr*>	[0..1]	±		230
	Destination <*Dstn*>	[0..1]	±		231
	Context <*Cntxt*>	[0..1]			231
	TransactionContext <*TxCntxt*>	[0..1]			231
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		232
	Transaction <*Tx*>	[1..1]			232
	MessageReason <*MsgRsn*>	[0..*]	Text		233
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		233
	TransactionIdentification <*TxId*>	[1..1]	±		233
	FileActionScope <*FileActnScp*>	[1..1]	CodeSet		234
	FileActionType <*FileActnTp*>	[1..1]	CodeSet		234
	OtherFileActionType <*OthrFileActnTp*>	[0..1]	Text		235
	FileActionDetails <*FileActnDtls*>	[1..1]			235
	FileName <*FileNm*>	[1..1]	Text		235
	DataRecord <*DataRcrd*>	[1..1]	Binary		235
	ActionDate <*ActnDt*>	[0..1]	Date		236
	FileSecurityCode <*FileSctyCd*>	[0..1]	Text		236
	AdditionalFees <*AddtlFees*>	[0..*]	±		236
	AdditionalData <*AddtlData*>	[0..*]			236
	Type <*Tp*>	[0..1]	Text		236
	Value <*Val*>	[0..1]	Text		237
	ProcessingResult <*PrcgRslt*>	[0..1]			237
	Result <*Rslt*>	[0..1]	CodeSet		237
	OtherResult <*OthrRslt*>	[0..1]	Text		237
	ResultDetails <*RsltDtls*>	[1..1]	Text		238
	ProtectedData <*PrtctdData*>	[0..*]	±		238
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	241

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]	±		230
	Sender <*Sndr*>	[0..1]	±		230
	Receiver <*Rcvr*>	[0..1]	±		230
	Destination <*Dstn*>	[0..1]	±		231

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]			231
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		232

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]	±		232

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		233
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		233
	TransactionIdentification <*TxId*>	[1..1]	±		233
	FileActionScope <*FileActnScp*>	[1..1]	CodeSet		234
	FileActionType <*FileActnTp*>	[1..1]	CodeSet		234
	OtherFileActionType <*OthrFileActnTp*>	[0..1]	Text		235
	FileActionDetails <*FileActnDtls*>	[1..1]			235
	FileName <*FileNm*>	[1..1]	Text		235
	DataRecord <*DataRcrd*>	[1..1]	Binary		235
	ActionDate <*ActnDt*>	[0..1]	Date		236
	FileSecurityCode <*FileSctyCd*>	[0..1]	Text		236
	AdditionalFees <*AddtlFees*>	[0..*]	±		236
	AdditionalData <*AddtlData*>	[0..*]			236
	Type <*Tp*>	[0..1]	Text		236
	Value <*Val*>	[0..1]	Text		237

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 1635

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 1640

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 1408 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

11.4.2.3.4 FileActionScope <FileActnScp>

Presence: [1..1]

Definition: Scope of file action.

Datatype: "FileActionScope1Code" on page 1587

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 1587

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 1640

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		235
	DataRecord <*DataRcrd*>	[1..1]	Binary		235
	ActionDate <*ActnDt*>	[0..1]	Date		236
	FileSecurityCode <*FileSctyCd*>	[0..1]	Text		236

11.4.2.3.7.1 FileName <FileNm>

Presence: [1..1]

Definition: Identification of the file.

ISO 8583 bit 101

Datatype: "Max140Text" on page 1637

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 1553

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 1631

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 1640

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		236
	Value <*Val*>	[0..1]	Text		237

11.4.2.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

11.4.2.3.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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		237
	OtherResult <*OthrRslt*>	[0..1]	Text		237
	ResultDetails <*RsltDtls*>	[1..1]	Text		238

11.4.2.4.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "FileActionResult1Code" on page 1587

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 1640

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 1634

11.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

12 DRAFT5cafm.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]			245
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		246
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		246
	ExchangeIdentification <*XchgId*>	[0..1]	Text		246
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		247
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		247
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		247
	InitiatingParty <*InitgPty*>	[1..1]	±		247
	RecipientParty <*RcptPty*>	[0..1]	±		247
	TraceData <*TracData*>	[0..*]			248
	Type <*Tp*>	[0..1]	Text		248
	Value <*Val*>	[0..1]	Text		248
	Traceability <*Tracblt*>	[0..*]	±		248
	Body <*Body*>	[1..1]			249
	Environment <*Envt*>	[1..1]			250
	Originator <*Orgtr*>	[0..1]	±		250
	Sender <*Sndr*>	[0..1]	±		250
	Receiver <*Rcvr*>	[0..1]	±		250
	Destination <*Dstn*>	[0..1]	±		251
	Context <*Cntxt*>	[0..1]			251
	TransactionContext <*TxCntxt*>	[0..1]			251
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		252
	Transaction <*Tx*>	[1..1]			252
	TransactionIdentification <*TxId*>	[1..1]	±		252
	AdditionalFees <*AddtlFees*>	[0..*]	±		253
	AdditionalData <*AddtlData*>	[0..*]			253
	Type <*Tp*>	[0..1]	Text		254
	Value <*Val*>	[0..1]	Text		254
	ProcessingResult <*PrcgRslt*>	[1..1]			254

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		254
	OtherResult <*OthrRslt*>	[0..1]	Text		255
	ResultDetails <*RsltDtls*>	[1..1]	Text		255
	ProtectedData <*PrtctdData*>	[0..*]	±		255
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	258
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		258

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		246
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		246
	ExchangeIdentification <*XchgId*>	[0..1]	Text		246
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		247
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		247
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		247
	InitiatingParty <*InitgPty*>	[1..1]	±		247
	RecipientParty <*RcptPty*>	[0..1]	±		247
	TraceData <*TracData*>	[0..*]			248
	Type <*Tp*>	[0..1]	Text		248
	Value <*Val*>	[0..1]	Text		248
	Traceability <*Tracblt*>	[0..*]	±		248

12.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

12.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

12.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

12.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

12.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

12.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

12.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

12.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

12.4.1.9 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		248
	Value <*Val*>	[0..1]	Text		248

12.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

12.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

12.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			250
	Originator <*Orgtr*>	[0..1]	±		250
	Sender <*Sndr*>	[0..1]	±		250
	Receiver <*Rcvr*>	[0..1]	±		250
	Destination <*Dstn*>	[0..1]	±		251
	Context <*Cntxt*>	[0..1]			251
	TransactionContext <*TxCntxt*>	[0..1]			251
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		252
	Transaction <*Tx*>	[1..1]			252
	TransactionIdentification <*TxId*>	[1..1]	±		252
	AdditionalFees <*AddtlFees*>	[0..*]	±		253
	AdditionalData <*AddtlData*>	[0..*]			253
	Type <*Tp*>	[0..1]	Text		254
	Value <*Val*>	[0..1]	Text		254
	ProcessingResult <*PrcgRslt*>	[1..1]			254
	Result <*Rslt*>	[0..1]	CodeSet		254
	OtherResult <*OthrRslt*>	[0..1]	Text		255
	ResultDetails <*RsltDtls*>	[1..1]	Text		255
	ProtectedData <*PrtctdData*>	[0..*]	±		255
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	258

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]	±		250
	Sender <*Sndr*>	[0..1]	±		250
	Receiver <*Rcvr*>	[0..1]	±		250
	Destination <*Dstn*>	[0..1]	±		251

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]			251
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		252

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 <*CardPrgrmmApId*>	[0..1]	±		252

12.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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]	±		252
	AdditionalFees <*AddtlFees*>	[0..*]	±		253
	AdditionalData <*AddtlData*>	[0..*]			253
	Type <*Tp*>	[0..1]	Text		254
	Value <*Val*>	[0..1]	Text		254

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 1408 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		254
	Value <*Val*>	[0..1]	Text		254

12.4.2.3.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

12.4.2.3.3.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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		254
	OtherResult <*OthrRslt*>	[0..1]	Text		255
	ResultDetails <*RsltDtls*>	[1..1]	Text		255

12.4.2.4.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "FileActionResult1Code" on page 1587

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 1640

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 1634

12.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

13 DRAFT5cafr.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*> <*FrdRptgInitn*>	[1..1]			
	Header <*Hdr*>	[1..1]			263
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		263
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		264
	ExchangeIdentification <*XchgId*>	[0..1]	Text		264
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		264
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		264
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		264
	InitiatingParty <*InitgPty*>	[1..1]	±		264
	RecipientParty <*RcptPty*>	[0..1]	±		265
	TraceData <*TracData*>	[0..*]			265
	Type <*Tp*>	[0..1]	Text		266
	Value <*Val*>	[0..1]	Text		266
	Traceability <*Tracblt*>	[0..*]	±		266
	Body <*Body*>	[1..1]			266
	Environment <*Envt*>	[1..1]			268
	Acquirer <*Acqrr*>	[0..1]	±		268
	Sender <*Sndr*>	[0..1]	±		269
	Receiver <*Rcvr*>	[0..1]	±		269
	Card <*Card*>	[0..1]	±		269
	Cardholder <*Crdhldr*>	[0..1]	±		270
	Token <*Tkn*>	[0..1]	±		270
	Context <*Cntxt*>	[0..1]			271
	TransactionContext <*TxCntxt*>	[0..1]			271
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		271
	Transaction <*Tx*>	[1..1]			272
	FraudTransactionIdentification <*FrdTxId*>	[1..1]	Text		274
	ReportedFraud <*RptdFrd*>	[1..1]	±		274
	FraudulentTransactionData <*FrdlntTxData*>	[1..1]			274
	AuthorisationStatus <*AuthstnSts*>	[0..1]			275

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AuthorisationIndicator <*AuthstnInd*>	[0..1]	Indicator		275
	AuthorisationEntity <*AuthstnNtty*>	[0..1]	CodeSet		275
	OtherAuthorisationEntity <*OthrAuthstnNtty*>	[0..1]	Text		276
	DisputeDetails <*DsptDtls*>	[0..1]			276
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		276
	DisputeCondition <*DsptCond*>	[0..1]	Text		276
	DisputeReference <*DsptRef*>	[0..*]	±		277
	MessageReason <*MsgRsn*>	[0..*]	Text		277
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		277
	FraudulentMessage <*FrdlntMsg*>	[0..1]	Binary		277
	CardNotReceivedDetails <*CardNotRcvdDtls*>	[0..1]			277
	DateOfCardMailed <*DtOfCardMld*>	[1..1]	Date		278
	MailingAddress <*MlngAdr*>	[0..1]	±		278
	MailingAddressUnstructured <*MlngAdrUstrd*>	[0..1]	Text		278
	MailedFromPostalCode <*MldFrPstlCd*>	[1..1]	Text		279
	ValidFrom <*VldFr*>	[0..1]	Date		279
	CardSecurityCodeIndicator <*CardSctyCdInd*>	[0..1]	Indicator		279
	CardSecurityCapability <*CardSctyCpblty*>	[0..*]			279
	Capability <*Cpblty*>	[1..1]	CodeSet		279
	OtherCapability <*OthrCpblty*>	[0..1]	Text		280
	CardholderCardName <*CrdhldrCardNm*>	[0..1]	±		280
	AdditionalFees <*AddtlFees*>	[0..*]	±		280
	AdditionalInformation <*AddtlInf*>	[0..*]	±		281
	AdditionalData <*AddtlData*>	[0..*]			281
	Type <*Tp*>	[0..1]	Text		281
	Value <*Val*>	[0..1]	Text		281
	ProtectedData <*PrtctdData*>	[0..*]	±		281
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	284
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		284

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		263
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		264
	ExchangeIdentification <*XchgId*>	[0..1]	Text		264
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		264
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		264
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		264
	InitiatingParty <*InitgPty*>	[1..1]	±		264
	RecipientParty <*RcptPty*>	[0..1]	±		265
	TraceData <*TracData*>	[0..*]			265
	Type <*Tp*>	[0..1]	Text		266
	Value <*Val*>	[0..1]	Text		266
	Traceability <*Tracblt*>	[0..*]	±		266

13.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

13.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

13.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

13.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

13.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

13.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

13.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

13.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

13.4.1.9 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		266
	Value <*Val*>	[0..1]	Text		266

13.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

13.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

13.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			268
	Acquirer <*Acqrr*>	[0..1]	±		268
	Sender <*Sndr*>	[0..1]	±		269
	Receiver <*Rcvr*>	[0..1]	±		269
	Card <*Card*>	[0..1]	±		269
	Cardholder <*Crdhldr*>	[0..1]	±		270
	Token <*Tkn*>	[0..1]	±		270
	Context <*Cntxt*>	[0..1]			271
	TransactionContext <*TxCntxt*>	[0..1]			271
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		271
	Transaction <*Tx*>	[1..1]			272
	FraudTransactionIdentification <*FrdTxId*>	[1..1]	Text		274
	ReportedFraud <*RptdFrd*>	[1..1]	±		274
	FraudulentTransactionData <*FrdlntTxData*>	[1..1]			274
	AuthorisationStatus <*AuthstnSts*>	[0..1]			275
	AuthorisationIndicator <*AuthstnInd*>	[0..1]	Indicator		275
	AuthorisationEntity <*AuthstnNtty*>	[0..1]	CodeSet		275
	OtherAuthorisationEntity <*OthrAuthstnNtty*>	[0..1]	Text		276
	DisputeDetails <*DsptDtls*>	[0..1]			276
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		276
	DisputeCondition <*DsptCond*>	[0..1]	Text		276
	DisputeReference <*DsptRef*>	[0..*]	±		277
	MessageReason <*MsgRsn*>	[0..*]	Text		277
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		277
	FraudulentMessage <*FrdlntMsg*>	[0..1]	Binary		277
	CardNotReceivedDetails <*CardNotRcvdDtls*>	[0..1]			277
	DateOfCardMailed <*DtOfCardMld*>	[1..1]	Date		278
	MailingAddress <*MlngAdr*>	[0..1]	±		278
	MailingAddressUnstructured <*MlngAdrUstrd*>	[0..1]	Text		278
	MailedFromPostalCode <*MldFrPstlCd*>	[1..1]	Text		279
	ValidFrom <*VldFr*>	[0..1]	Date		279

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardSecurityCodeIndicator <*CardSctyCdInd*>	[0..1]	Indicator		279
	CardSecurityCapability <*CardSctyCpblty*>	[0..*]			279
	Capability <*Cpblty*>	[1..1]	CodeSet		279
	OtherCapability <*OthrCpblty*>	[0..1]	Text		280
	CardholderCardName <*CrdhldrCardNm*>	[0..1]	±		280
	AdditionalFees <*AddtlFees*>	[0..*]	±		280
	AdditionalInformation <*AddtlInf*>	[0..*]	±		281
	AdditionalData <*AddtlData*>	[0..*]			281
	Type <*Tp*>	[0..1]	Text		281
	Value <*Val*>	[0..1]	Text		281
	ProtectedData <*PrtctdData*>	[0..*]	±		281
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	284

13.4.2.1 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]	±		268
	Sender <*Sndr*>	[0..1]	±		269
	Receiver <*Rcvr*>	[0..1]	±		269
	Card <*Card*>	[0..1]	±		269
	Cardholder <*Crdhldr*>	[0..1]	±		270
	Token <*Tkn*>	[0..1]	±		270

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1021 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1021
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1021
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1022
	EffectiveDate <*FctvDt*>	[0..1]	Text		1022
	ExpiryDate <*XpryDt*>	[0..1]	Text		1022
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1022
	PANReferenceIdentifier <*PANRefIdr*>	[0..1]	Text		1023
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1023
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1023
	CardProductType <*CardPdctTp*>	[0..1]	Text		1023
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1023
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1023
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1023

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 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]			271
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		271

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]	±		271

13.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		274
	ReportedFraud <*RptdFrd*>	[1..1]	±		274
	FraudulentTransactionData <*FrdlntTxData*>	[1..1]			274
	AuthorisationStatus <*AuthstnSts*>	[0..1]			275
	AuthorisationIndicator <*AuthstnInd*>	[0..1]	Indicator		275
	AuthorisationEntity <*AuthstnNtty*>	[0..1]	CodeSet		275
	OtherAuthorisationEntity <*OthrAuthstnNtty*>	[0..1]	Text		276
	DisputeDetails <*DsptDtls*>	[0..1]			276
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		276
	DisputeCondition <*DsptCond*>	[0..1]	Text		276
	DisputeReference <*DsptRef*>	[0..*]	±		277
	MessageReason <*MsgRsn*>	[0..*]	Text		277
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		277
	FraudulentMessage <*FrdlntMsg*>	[0..1]	Binary		277
	CardNotReceivedDetails <*CardNotRcvdDtls*>	[0..1]			277
	DateOfCardMailed <*DtOfCardMld*>	[1..1]	Date		278
	MailingAddress <*MlngAdr*>	[0..1]	±		278
	MailingAddressUnstructured <*MlngAdrUstrd*>	[0..1]	Text		278
	MailedFromPostalCode <*MldFrPstlCd*>	[1..1]	Text		279
	ValidFrom <*VldFr*>	[0..1]	Date		279
	CardSecurityCodeIndicator <*CardSctyCdInd*>	[0..1]	Indicator		279
	CardSecurityCapability <*CardSctyCpblty*>	[0..*]			279
	Capability <*Cpblty*>	[1..1]	CodeSet		279
	OtherCapability <*OthrCpblty*>	[0..1]	Text		280
	CardholderCardName <*CrdhldrCardNm*>	[0..1]	±		280
	AdditionalFees <*AddtlFees*>	[0..*]	±		280
	AdditionalInformation <*AddtlInf*>	[0..*]	±		281
	AdditionalData <*AddtlData*>	[0..*]			281
	Type <*Tp*>	[0..1]	Text		281
	Value <*Val*>	[0..1]	Text		281

13.4.2.3.1 FraudTransactionIdentification <FrdTxId>

Presence: [1..1]

Definition: Identification of the transaction reporting the fraud.

Datatype: "Max70Text" on page 1642

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 1276 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FraudType <*FrdTp*>	[1..1]	CodeSet		1276
	OtherFraudType <*OthrFrdTp*>	[0..1]	Text		1277
	FraudReportingAction <*FrdRptgActn*>	[1..1]	CodeSet		1277
	OtherFraudReportingAction <*OthrFrdRptgActn*>	[0..1]	Text		1278
	ReportingEntity <*RptgNtty*>	[1..1]	CodeSet		1278
	OtherReportingEntity <*OthrRptgNtty*>	[0..1]	Text		1278
	CompromisedCredential <*CmprmsdCrdntl*>	[0..*]	CodeSet		1278
	CardholderReportingDate <*CrdhldrRptgDt*>	[0..1]	Date		1281
	ConfirmationReportingDate <*ConfRptgDt*>	[0..1]	Date		1281
	SubmitterCaseReference <*SubmitrCaseRef*>	[0..1]	Text		1281
	FraudCaseDetails <*FrdCaseDtls*>	[0..1]			1281
	MarketSegment <*MktSgmt*>	[0..1]	Text		1282
	LocatorNumber <*LctrNb*>	[0..1]	Text		1282
	CaseReference <*CaseRef*>	[0..1]	Text		1282
	ArrestIndicator <*ArrstInd*>	[0..1]	Indicator		1282
	FraudInvestigationStatus <*FrdInvstgtnSts*>	[0..1]	Text		1282

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]			275
	AuthorisationIndicator <*AuthstnInd*>	[0..1]	Indicator		275
	AuthorisationEntity <*AuthstnNtty*>	[0..1]	CodeSet		275
	OtherAuthorisationEntity <*OthrAuthstnNtty*>	[0..1]	Text		276
	DisputeDetails <*DsptDtls*>	[0..1]			276
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		276
	DisputeCondition <*DsptCond*>	[0..1]	Text		276
	DisputeReference <*DsptRef*>	[0..*]	±		277
	MessageReason <*MsgRsn*>	[0..*]	Text		277
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		277
	FraudulentMessage <*FrdIntMsg*>	[0..1]	Binary		277

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		275
	AuthorisationEntity <*AuthstnNtty*>	[0..1]	CodeSet		275
	OtherAuthorisationEntity <*OthrAuthstnNtty*>	[0..1]	Text		276

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 1631):

- *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 1609

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	DelegateIssuer	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

13.4.2.3.3.1.3 OtherAuthorisationEntity <OthrAuthstnNtty>

Presence: [0..1]

Definition: Other type of authorisation entity.

Datatype: "Max35Text" on page 1640

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		276
	DisputeCondition <*DsptCond*>	[0..1]	Text		276
	DisputeReference <*DsptRef*>	[0..*]	±		277

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 1634

13.4.2.3.3.2.2 DisputeCondition <DsptCond>

Presence: [0..1]

Definition: Condition of the dispute.

Datatype: "Max35Text" on page 1640

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 1272 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AssignerEntity <*AssgnrNtty*>	[0..1]	CodeSet		1273
	OtherAssignerEntity <*OthrAssgnrNtty*>	[0..1]	Text		1273
	DisputeIdentification <*DsptId*>	[1..*]			1273
	Type <*Tp*>	[0..1]	Text		1273
	Identification <*Id*>	[1..1]	Text		1273

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 1635

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 1640

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 1553

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		278
	MailingAddress <*MlngAdr*>	[0..1]	±		278
	MailingAddressUnstructured <*MlngAdrUstrd*>	[0..1]	Text		278
	MailedFromPostalCode <*MldFrPstlCd*>	[1..1]	Text		279
	ValidFrom <*VldFr*>	[0..1]	Date		279
	CardSecurityCodeIndicator <*CardSctyCdInd*>	[0..1]	Indicator		279
	CardSecurityCapability <*CardSctyCpblty*>	[0..*]			279
	Capability <*Cpblty*>	[1..1]	CodeSet		279
	OtherCapability <*OthrCpblty*>	[0..1]	Text		280

13.4.2.3.4.1 DateOfCardMailed <DtOfCardMld>

Presence: [1..1]

Definition: Date of card when mailed to the cardholder.

Datatype: "ISODate" on page 1631

13.4.2.3.4.2 MailingAddress <MlngAdr>

Presence: [0..1]

Definition: Address where card was mailed to.

MailingAddress <MlngAdr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

13.4.2.3.4.3 MailingAddressUnstructured <MlngAdrUstrd>

Presence: [0..1]

Definition: Unstructured mailing address where card was mailed to.

Datatype: "Max256Text" on page 1639

13.4.2.3.4.4 MailedFromPostalCode <MldFrPstlCd>

Presence: [1..1]

Definition: Postal code where the card was mailed from.

Datatype: "Max16Text" on page 1637

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 1631

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 1631):

- *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		279
	OtherCapability <*OthrCpblty*>	[0..1]	Text		280

13.4.2.3.4.7.1 Capability <Cpblty>

Presence: [1..1]

Definition: Defines the security capability.

Datatype: "CardSecurityCapability1Code" on page 1579

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 1640

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 1289 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1289
	GivenName <*GvnNm*>	[0..1]	Text		1289
	MiddleInitials <*MddlInitls*>	[0..1]	Text		1289
	LastName <*LastNm*>	[0..1]	Text		1290

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1294 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1295
	Target <*Trgt*>	[0..*]	CodeSet		1295
	Format <*Frmt*>	[0..1]	CodeSet		1296
	Type <*Tp*>	[0..1]	Text		1296
	Value <*Val*>	[1..1]	Text		1296

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		281
	Value <*Val*>	[0..1]	Text		281

13.4.2.3.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

13.4.2.3.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

13.4.2.4 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

14 DRAFT5cafr.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]			288
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		289
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		289
	ExchangeIdentification <*XchgId*>	[0..1]	Text		289
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		289
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		289
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		289
	InitiatingParty <*InitgPty*>	[1..1]	±		290
	RecipientParty <*RcptPty*>	[0..1]	±		290
	TraceData <*TracData*>	[0..*]			291
	Type <*Tp*>	[0..1]	Text		291
	Value <*Val*>	[0..1]	Text		291
	Traceability <*Tracblt*>	[0..*]	±		291
	Body <*Body*>	[1..1]			291
	Environment <*Envt*>	[1..1]			292
	Acquirer <*Acqrr*>	[0..1]	±		293
	Sender <*Sndr*>	[0..1]	±		293
	Receiver <*Rcvr*>	[0..1]	±		293
	Card <*Card*>	[0..1]	±		294
	Cardholder <*Crdhldr*>	[0..1]	±		294
	Token <*Tkn*>	[0..1]	±		294
	Context <*Cntxt*>	[0..1]			295
	TransactionContext <*TxCntxt*>	[0..1]			295
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		295
	Transaction <*Tx*>	[1..1]			296
	FraudTransactionIdentification <*FrdTxId*>	[1..1]	Text		296
	AdditionalFees <*AddtlFees*>	[0..*]	±		296
	AdditionalData <*AddtlData*>	[0..*]			296
	Type <*Tp*>	[0..1]	Text		297

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Value <*Val*>	[0..1]	Text		297
	ProcessingResult <*PrcgRslt*>	[1..1]	±		297
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	297
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		298

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		289
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		289
	ExchangeIdentification <*XchgId*>	[0..1]	Text		289
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		289
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		289
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		289
	InitiatingParty <*InitgPty*>	[1..1]	±		290
	RecipientParty <*RcptPty*>	[0..1]	±		290
	TraceData <*TracData*>	[0..*]			291
	Type <*Tp*>	[0..1]	Text		291
	Value <*Val*>	[0..1]	Text		291
	Traceability <*Tracblt*>	[0..*]	±		291

14.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

14.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

14.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

14.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

14.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

14.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

14.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

14.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

14.4.1.9 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		291
	Value <*Val*>	[0..1]	Text		291

14.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

14.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

14.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			292
	Acquirer <*Acqrr*>	[0..1]	±		293
	Sender <*Sndr*>	[0..1]	±		293
	Receiver <*Rcvr*>	[0..1]	±		293
	Card <*Card*>	[0..1]	±		294
	Cardholder <*Crdhldr*>	[0..1]	±		294
	Token <*Tkn*>	[0..1]	±		294
	Context <*Cntxt*>	[0..1]			295
	TransactionContext <*TxCntxt*>	[0..1]			295
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		295
	Transaction <*Tx*>	[1..1]			296
	FraudTransactionIdentification <*FrdTxId*>	[1..1]	Text		296
	AdditionalFees <*AddtlFees*>	[0..*]	±		296
	AdditionalData <*AddtlData*>	[0..*]			296
	Type <*Tp*>	[0..1]	Text		297
	Value <*Val*>	[0..1]	Text		297
	ProcessingResult <*PrcgRslt*>	[1..1]	±		297
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	297

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]	±		293
	Sender <*Sndr*>	[0..1]	±		293
	Receiver <*Rcvr*>	[0..1]	±		293
	Card <*Card*>	[0..1]	±		294
	Cardholder <*Crdhldr*>	[0..1]	±		294
	Token <*Tkn*>	[0..1]	±		294

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1021 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1021
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1021
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1022
	EffectiveDate <*FctvDt*>	[0..1]	Text		1022
	ExpiryDate <*XpryDt*>	[0..1]	Text		1022
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1022
	PANReferenceIdentifier <*PANRefIdr*>	[0..1]	Text		1023
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1023
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1023
	CardProductType <*CardPdctTp*>	[0..1]	Text		1023
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1023
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1023
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1023

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 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]			295
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		295

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]	±		295

14.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		296
	AdditionalFees <*AddtlFees*>	[0..*]	±		296
	AdditionalData <*AddtlData*>	[0..*]			296
	Type <*Tp*>	[0..1]	Text		297
	Value <*Val*>	[0..1]	Text		297

14.4.2.3.1 FraudTransactionIdentification <FrdTxId>

Presence: [1..1]

Definition: Identification of the transaction reporting the fraud.

Datatype: "Max70Text" on page 1642

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		297
	Value <*Val*>	[0..1]	Text		297

14.4.2.3.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

14.4.2.3.3.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1515 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

15 DRAFT5cafr.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]			301
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		302
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		302
	ExchangeIdentification <*XchgId*>	[0..1]	Text		302
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		302
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		303
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		303
	InitiatingParty <*InitgPty*>	[1..1]	±		303
	RecipientParty <*RcptPty*>	[0..1]	±		303
	TraceData <*TracData*>	[0..*]			304
	Type <*Tp*>	[0..1]	Text		304
	Value <*Val*>	[0..1]	Text		304
	Traceability <*Tracblt*>	[0..*]	±		304
	Body <*Body*>	[1..1]			305
	Environment <*Envt*>	[1..1]			306
	Acquirer <*Acqrr*>	[0..1]	±		307
	Sender <*Sndr*>	[0..1]	±		307
	Receiver <*Rcvr*>	[0..1]	±		307
	Card <*Card*>	[0..1]	±		308
	Cardholder <*Crdhldr*>	[0..1]	±		308
	Token <*Tkn*>	[0..1]	±		309
	Context <*Cntxt*>	[0..1]			309
	TransactionContext <*TxCntxt*>	[0..1]			309
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		310
	Transaction <*Tx*>	[1..1]			310
	FraudTransactionIdentification <*FrdTxId*>	[1..1]	Text		310
	ReportedFraud <*RptdFrd*>	[1..1]	±		310
	AdditionalFees <*AddtlFees*>	[0..*]	±		311
	AdditionalInformation <*AddtlInf*>	[0..*]	±		311

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalData <*AddtlData*>	[0..*]			312
	Type <*Tp*>	[0..1]	Text		312
	Value <*Val*>	[0..1]	Text		312
	FraudDispositionStatus <*FrdDspstnSts*>	[1..1]			312
	ActionTaken <*ActnTaken*>	[1..1]	CodeSet		313
	OtherActionTaken <*OthrActnTaken*>	[0..1]	Text		313
	ErrorData <*ErrData*>	[0..*]	Text		313
	WarningData <*WrngData*>	[0..*]	Text		313
	AdditionalInformation <*AddtlInf*>	[0..1]	±		313
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	314
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		314

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		302
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		302
	ExchangeIdentification <*XchgId*>	[0..1]	Text		302
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		302
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		303
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		303
	InitiatingParty <*InitgPty*>	[1..1]	±		303
	RecipientParty <*RcptPty*>	[0..1]	±		303
	TraceData <*TracData*>	[0..*]			304
	Type <*Tp*>	[0..1]	Text		304
	Value <*Val*>	[0..1]	Text		304
	Traceability <*Tracblt*>	[0..*]	±		304

15.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

15.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

15.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

15.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

15.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

15.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

15.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

15.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

15.4.1.9 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		304
	Value <*Val*>	[0..1]	Text		304

15.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

15.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

15.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			306
	Acquirer <*Acqrr*>	[0..1]	±		307
	Sender <*Sndr*>	[0..1]	±		307
	Receiver <*Rcvr*>	[0..1]	±		307
	Card <*Card*>	[0..1]	±		308
	Cardholder <*Crdhldr*>	[0..1]	±		308
	Token <*Tkn*>	[0..1]	±		309
	Context <*Cntxt*>	[0..1]			309
	TransactionContext <*TxCntxt*>	[0..1]			309
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		310
	Transaction <*Tx*>	[1..1]			310
	FraudTransactionIdentification <*FrdTxId*>	[1..1]	Text		310
	ReportedFraud <*RptdFrd*>	[1..1]	±		310
	AdditionalFees <*AddtlFees*>	[0..*]	±		311
	AdditionalInformation <*AddtlInf*>	[0..*]	±		311
	AdditionalData <*AddtlData*>	[0..*]			312
	Type <*Tp*>	[0..1]	Text		312
	Value <*Val*>	[0..1]	Text		312
	FraudDispositionStatus <*FrdDspstnSts*>	[1..1]			312
	ActionTaken <*ActnTaken*>	[1..1]	CodeSet		313
	OtherActionTaken <*OthrActnTaken*>	[0..1]	Text		313
	ErrorData <*ErrData*>	[0..*]	Text		313
	WarningData <*WrngData*>	[0..*]	Text		313
	AdditionalInformation <*AddtlInf*>	[0..1]	±		313
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	314

15.4.2.1 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]	±		307
	Sender <*Sndr*>	[0..1]	±		307
	Receiver <*Rcvr*>	[0..1]	±		307
	Card <*Card*>	[0..1]	±		308
	Cardholder <*Crdhldr*>	[0..1]	±		308
	Token <*Tkn*>	[0..1]	±		309

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1021 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1021
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1021
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1022
	EffectiveDate <*FctvDt*>	[0..1]	Text		1022
	ExpiryDate <*XpryDt*>	[0..1]	Text		1022
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1022
	PANReferenceIdentifier <*PANRefIdr*>	[0..1]	Text		1023
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1023
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1023
	CardProductType <*CardPdctTp*>	[0..1]	Text		1023
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1023
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1023
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1023

15.4.2.1.5 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crdhldr> contains the following elements (see "Cardholder15" on page 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]			309
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		310

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]	±		310

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		310
	ReportedFraud <*RptdFrd*>	[1..1]	±		310
	AdditionalFees <*AddtlFees*>	[0..*]	±		311
	AdditionalInformation <*AddtlInf*>	[0..*]	±		311
	AdditionalData <*AddtlData*>	[0..*]			312
	Type <*Tp*>	[0..1]	Text		312
	Value <*Val*>	[0..1]	Text		312

15.4.2.3.1 FraudTransactionIdentification <FrdTxId>

Presence: [1..1]

Definition: Identification of the transaction reporting the fraud.

Datatype: "Max70Text" on page 1642

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 1283 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FraudType <*FrdTp*>	[1..1]	CodeSet		1283
	OtherFraudType <*OthrFrdTp*>	[0..1]	Text		1284
	FraudReportingAction <*FrdRptgActn*>	[1..1]	CodeSet		1284
	OtherFraudReportingAction <*OthrFrdRptgActn*>	[0..1]	Text		1284
	ReportingEntity <*RptgNtty*>	[1..1]	CodeSet		1285
	OtherReportingEntity <*OthrRptgNtty*>	[0..1]	Text		1285
	SubmitterCaseReference <*SubmitrCaseRef*>	[0..1]	Text		1285
	CaseReference <*CaseRef*>	[0..1]	Text		1285

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1294 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1295
	Target <*Trgt*>	[0..*]	CodeSet		1295
	Format <*Frmt*>	[0..1]	CodeSet		1296
	Type <*Tp*>	[0..1]	Text		1296
	Value <*Val*>	[1..1]	Text		1296

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		312
	Value <*Val*>	[0..1]	Text		312

15.4.2.3.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

15.4.2.3.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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		313
	OtherActionTaken <*OthrActnTaken*>	[0..1]	Text		313
	ErrorData <*ErrData*>	[0..*]	Text		313
	WarningData <*WrngData*>	[0..*]	Text		313
	AdditionalInformation <*AddtlInf*>	[0..1]	±		313

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 1555

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 1640

15.4.2.4.3 ErrorData <ErrData>

Presence: [0..*]

Definition: Contains errors found in the submitted fraud report message.

Datatype: "Max256Text" on page 1639

15.4.2.4.4 WarningData <WrngData>

Presence: [0..*]

Definition: Contains warnings found in the submitted fraud report message.

Datatype: "Max256Text" on page 1639

15.4.2.4.5 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation22" on page 1294 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1295
	Target <*Trgt*>	[0..*]	CodeSet		1295
	Format <*Frmt*>	[0..1]	CodeSet		1296
	Type <*Tp*>	[0..1]	Text		1296
	Value <*Val*>	[1..1]	Text		1296

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

16 DRAFT5cafr.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]			318
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		319
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		319
	ExchangeIdentification <*XchgId*>	[0..1]	Text		319
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		319
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		319
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		319
	InitiatingParty <*InitgPty*>	[1..1]	±		320
	RecipientParty <*RcptPty*>	[0..1]	±		320
	TraceData <*TracData*>	[0..*]			321
	Type <*Tp*>	[0..1]	Text		321
	Value <*Val*>	[0..1]	Text		321
	Traceability <*Tracblt*>	[0..*]	±		321
	Body <*Body*>	[1..1]			321
	Environment <*Envt*>	[1..1]			322
	Acquirer <*Acqrr*>	[0..1]	±		323
	Sender <*Sndr*>	[0..1]	±		323
	Receiver <*Rcvr*>	[0..1]	±		323
	Card <*Card*>	[0..1]	±		324
	Cardholder <*Crdhldr*>	[0..1]	±		324
	Token <*Tkn*>	[0..1]	±		324
	Context <*Cntxt*>	[0..1]			325
	TransactionContext <*TxCntxt*>	[0..1]			325
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		325
	Transaction <*Tx*>	[1..1]			326
	FraudTransactionIdentification <*FrdTxId*>	[1..1]	Text		326
	AdditionalFees <*AddtlFees*>	[0..*]	±		326
	AdditionalData <*AddtlData*>	[0..*]			326
	Type <*Tp*>	[0..1]	Text		327

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Value <*Val*>	[0..1]	Text		327
	ProcessingResult <*PrcgRslt*>	[1..1]	±		327
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	327
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		328

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		319
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		319
	ExchangeIdentification <*XchgId*>	[0..1]	Text		319
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		319
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		319
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		319
	InitiatingParty <*InitgPty*>	[1..1]	±		320
	RecipientParty <*RcptPty*>	[0..1]	±		320
	TraceData <*TracData*>	[0..*]			321
	Type <*Tp*>	[0..1]	Text		321
	Value <*Val*>	[0..1]	Text		321
	Traceability <*Tracblt*>	[0..*]	±		321

16.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

16.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

16.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

16.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

16.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

16.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

16.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

16.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

16.4.1.9 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		321
	Value <*Val*>	[0..1]	Text		321

16.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

16.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

16.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			322
	Acquirer <*Acqrr*>	[0..1]	±		323
	Sender <*Sndr*>	[0..1]	±		323
	Receiver <*Rcvr*>	[0..1]	±		323
	Card <*Card*>	[0..1]	±		324
	Cardholder <*Crdhldr*>	[0..1]	±		324
	Token <*Tkn*>	[0..1]	±		324
	Context <*Cntxt*>	[0..1]			325
	TransactionContext <*TxCntxt*>	[0..1]			325
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		325
	Transaction <*Tx*>	[1..1]			326
	FraudTransactionIdentification <*FrdTxId*>	[1..1]	Text		326
	AdditionalFees <*AddtlFees*>	[0..*]	±		326
	AdditionalData <*AddtlData*>	[0..*]			326
	Type <*Tp*>	[0..1]	Text		327
	Value <*Val*>	[0..1]	Text		327
	ProcessingResult <*PrcgRslt*>	[1..1]	±		327
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	327

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]	±		323
	Sender <*Sndr*>	[0..1]	±		323
	Receiver <*Rcvr*>	[0..1]	±		323
	Card <*Card*>	[0..1]	±		324
	Cardholder <*Crdhldr*>	[0..1]	±		324
	Token <*Tkn*>	[0..1]	±		324

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1021 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1021
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1021
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1022
	EffectiveDate <*FctvDt*>	[0..1]	Text		1022
	ExpiryDate <*XpryDt*>	[0..1]	Text		1022
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1022
	PANReferenceIdentifier <*PANRefIdr*>	[0..1]	Text		1023
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1023
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1023
	CardProductType <*CardPdctTp*>	[0..1]	Text		1023
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1023
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1023
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1023

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 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]			325
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		325

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]	±		325

16.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		326
	AdditionalFees <*AddtlFees*>	[0..*]	±		326
	AdditionalData <*AddtlData*>	[0..*]			326
	Type <*Tp*>	[0..1]	Text		327
	Value <*Val*>	[0..1]	Text		327

16.4.2.3.1 FraudTransactionIdentification <FrdTxId>

Presence: [1..1]

Definition: Identification of the transaction reporting the fraud.

Datatype: "Max70Text" on page 1642

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		327
	Value <*Val*>	[0..1]	Text		327

16.4.2.3.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

16.4.2.3.3.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1515 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

17 DRAFT5cain.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]			332
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		333
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		333
	ExchangeIdentification <*XchgId*>	[0..1]	Text		333
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		334
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		334
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		334
	InitiatingParty <*InitgPty*>	[1..1]	±		334
	RecipientParty <*RcptPty*>	[0..1]	±		335
	TraceData <*TracData*>	[0..*]			335
	Type <*Tp*>	[0..1]	Text		335
	Value <*Val*>	[0..1]	Text		335
	Traceability <*Tracblt*>	[0..*]	±		335
	Body <*Body*>	[1..1]			336
	Environment <*Envt*>	[1..1]			338
	Acquirer <*Acqrr*>	[1..1]	±		339
	Sender <*Sndr*>	[0..1]	±		339
	Receiver <*Rcvr*>	[0..1]	±		340
	Acceptor <*Accptr*>	[0..1]	±		340
	Payer <*Pyer*>	[0..1]	±		341
	Payee <*Pyee*>	[0..1]	±		341
	Terminal <*Termnl*>	[0..1]	±		342
	Card <*Card*>	[1..1]	±		342
	CustomerDevice <*CstmrDvc*>	[0..1]	±		343
	Wallet <*Wllt*>	[0..1]	±		343
	Token <*Tkn*>	[0..1]	±		344
	Cardholder <*Crdhldr*>	[0..1]	±		344
	Context <*Cntxt*>	[1..1]			344
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		345

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionContext <*TxCntxt*>	[1..1]	±		346
	Verification <*Vrfctn*>	[0..*]	±		347
	RiskContext <*RskCntxt*>	[0..*]	±		347
	SaleContext <*SaleCntxt*>	[0..1]	±		348
	Transaction <*Tx*>	[1..1]			348
	TransactionType <*TxTp*>	[1..1]	Text		349
	TransactionSubType <*TxSubTp*>	[0..1]	Text		350
	AdditionalService <*AddtlSvc*>	[0..*]	±		350
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		350
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		351
	MessageReason <*MsgRsn*>	[0..*]	Text		351
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		351
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		351
	AssociatedDataIndicator <*AssoctdDataInd*>	[0..1]	Indicator		351
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		352
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		352
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		352
	TransactionIdentification <*TxId*>	[1..1]	±		352
	DisputeData <*DsptData*>	[0..*]	±		353
	TransactionAmounts <*TxAmts*>	[1..1]	±		354
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		354
	AdditionalFees <*AddtlFees*>	[0..*]	±		354
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		355
	DepositDetails <*DpstDtls*>	[0..*]	±		355
	FundsServices <*FndsSvcs*>	[0..1]	±		356
	AccountFrom <*AcctFr*>	[0..1]	±		356
	AccountTo <*AcctTo*>	[0..1]	±		356
	TransactionDescription <*TxDesc*>	[0..1]	Text		356
	AdditionalData <*AddtlData*>	[0..*]			357
	Type <*Tp*>	[0..1]	Text		357
	Value <*Val*>	[0..1]	Text		357

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddendumData <*AdddmData*>	[0..1]	±		357
	ProcessingResult <*PrcgRslt*>	[0..1]	±		358
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		359
	ProtectedData <*PrtctdData*>	[0..*]	±		359
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	362
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		362

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 **Header42** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		333
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		333
	ExchangeIdentification <*XchgId*>	[0..1]	Text		333
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		334
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		334
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		334
	InitiatingParty <*InitgPty*>	[1..1]	±		334
	RecipientParty <*RcptPty*>	[0..1]	±		335
	TraceData <*TracData*>	[0..*]			335
	Type <*Tp*>	[0..1]	Text		335
	Value <*Val*>	[0..1]	Text		335
	Traceability <*Tracblt*>	[0..*]	±		335

17.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction16Code" on page 1599

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.

17.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

17.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

17.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

17.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

17.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

17.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

17.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

17.4.1.9 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		335
	Value <*Val*>	[0..1]	Text		335

17.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

17.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

17.4.1.10 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 <TracbIt> contains the following elements (see "Traceability7" on page 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			338
	Acquirer <*Acqrr*>	[1..1]	±		339
	Sender <*Sndr*>	[0..1]	±		339
	Receiver <*Rcvr*>	[0..1]	±		340
	Acceptor <*Accptr*>	[0..1]	±		340
	Payer <*Pyer*>	[0..1]	±		341
	Payee <*Pyee*>	[0..1]	±		341
	Terminal <*Termnl*>	[0..1]	±		342
	Card <*Card*>	[1..1]	±		342
	CustomerDevice <*CstmrDvc*>	[0..1]	±		343
	Wallet <*Wllt*>	[0..1]	±		343
	Token <*Tkn*>	[0..1]	±		344
	Cardholder <*Crdhldr*>	[0..1]	±		344
	Context <*Cntxt*>	[1..1]			344
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		345
	TransactionContext <*TxCntxt*>	[1..1]	±		346
	Verification <*Vrfctn*>	[0..*]	±		347
	RiskContext <*RskCntxt*>	[0..*]	±		347
	SaleContext <*SaleCntxt*>	[0..1]	±		348
	Transaction <*Tx*>	[1..1]			348
	TransactionType <*TxTp*>	[1..1]	Text		349
	TransactionSubType <*TxSubTp*>	[0..1]	Text		350
	AdditionalService <*AddtlSvc*>	[0..*]	±		350
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		350
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		351
	MessageReason <*MsgRsn*>	[0..*]	Text		351
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		351
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		351
	AssociatedDataIndicator <*AssoctdDataInd*>	[0..1]	Indicator		351
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		352
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		352

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		352
	TransactionIdentification <*TxId*>	[1..1]	±		352
	DisputeData <*DsptData*>	[0..*]	±		353
	TransactionAmounts <*TxAmts*>	[1..1]	±		354
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		354
	AdditionalFees <*AddtlFees*>	[0..*]	±		354
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		355
	DepositDetails <*DpstDtls*>	[0..*]	±		355
	FundsServices <*FndsSvcs*>	[0..1]	±		356
	AccountFrom <*AcctFr*>	[0..1]	±		356
	AccountTo <*AcctTo*>	[0..1]	±		356
	TransactionDescription <*TxDesc*>	[0..1]	Text		356
	AdditionalData <*AddtlData*>	[0..*]			357
	Type <*Tp*>	[0..1]	Text		357
	Value <*Val*>	[0..1]	Text		357
	AddendumData <*AdddmData*>	[0..1]	±		357
	ProcessingResult <*PrcgRslt*>	[0..1]	±		358
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		359
	ProtectedData <*PrtctdData*>	[0..*]	±		359
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	362

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]	±		339
	Sender <*Sndr*>	[0..1]	±		339
	Receiver <*Rcvr*>	[0..1]	±		340
	Acceptor <*Accptr*>	[0..1]	±		340
	Payer <*Pyer*>	[0..1]	±		341
	Payee <*Pyee*>	[0..1]	±		341
	Terminal <*Termnl*>	[0..1]	±		342
	Card <*Card*>	[1..1]	±		342
	CustomerDevice <*CstmrDvc*>	[0..1]	±		343
	Wallet <*Wllt*>	[0..1]	±		343
	Token <*Tkn*>	[0..1]	±		344
	Cardholder <*Crdhldr*>	[0..1]	±		344

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

17.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376
	Type <*Tp*>	[0..1]	CodeSet		1377
	OtherType <*OthrTp*>	[0..1]	Text		1377
	Capabilities <*Cpblties*>	[0..1]	±		1377
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1378
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1378
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1379
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1379
	POIComponent <*POICmpnt*>	[0..*]	±		1379

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 1010 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[1..1]	Text		1010
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1011
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1011
	EffectiveDate <*FctvDt*>	[0..1]	Text		1011
	ExpiryDate <*XpryDt*>	[0..1]	Text		1011
	ServiceCode <*SvcCd*>	[0..1]	Text		1011
	Track1 <*Trck1*>	[0..1]	Text		1012
	Track2 <*Trck2*>	[0..1]			1012
{Or	TextValue <*TxtVal*>	[1..1]	Text		1012
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1012
	Track3 <*Trck3*>	[0..1]	Text		1013
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1013
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1013
	CardProductType <*CardPdctTp*>	[0..1]	Text		1013
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1013
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1013
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1014

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 1266 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Device <*Dvc*>	[0..1]	±		1267
	Identification <*Id*>	[0..1]	Text		1267
	Provider <*Prvdr*>	[0..1]	Text		1267

17.4.2.1.10 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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]	±		345
	TransactionContext <*TxCntxt*>	[1..1]	±		346
	Verification <*Vrfctn*>	[0..*]	±		347
	RiskContext <*RskCntxt*>	[0..*]	±		347
	SaleContext <*SaleCntxt*>	[0..1]	±		348

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1075 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[1..1]	Text		1075
	MerchantCategorySpecificData <*MrchntCtgySpcfcData*>	[0..1]	Text		1075
	CustomerConsent <*CstmrCnsnt*>	[0..1]	Indicator		1076
	ICCFallbackIndicator <*ICCFllbckInd*>	[0..1]	Indicator		1076
	MagneticStripeFallbackIndicator <*MgntcStrpFllbckInd*>	[0..1]	Indicator		1076
	LatePresentmentIndicator <*LatePresntmntInd*>	[0..1]	Indicator		1076
	FinalAuthorisationIndicator <*FnlAuthstnInd*>	[0..1]	Indicator		1077
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1077
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1077
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1077
	SettlementService <*SttlmSvc*>	[0..1]	±		1078
	Reconciliation <*Rcncltn*>	[0..1]	±		1079
	CaptureDate <*CaptrDt*>	[0..1]	Date		1079

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 1540 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1540
	OtherType <*OthrTp*>	[0..1]	Text		1543
	SubType <*SubTp*>	[0..1]	Text		1543
	VerificationInformation <*VrfctnInf*>	[0..*]	±		1543
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1543

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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 1121 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SaleIdentification <*SaleId*>	[0..1]	Text		1121
	SaleReferenceIdentification <*SaleRefId*>	[0..1]	Text		1122
	SaleReferenceNumber <*SaleRefNb*>	[0..1]	Text		1122
	GoodsAndServicesType <*GoodsAndSvcsTp*>	[0..1]	CodeSet		1122
	GoodAndServicesSubType <*GoodAndSvcsSubTp*>	[0..1]	CodeSet		1122
	GoodAndServicesOtherSubType <*GoodAndSvcsOthrSubTp*>	[0..1]	Text		1122
	SplitPaymentIndicator <*SpltPmtInd*>	[0..1]	Indicator		1122
	ReceiptRequestIndicator <*RctReqInd*>	[0..1]	Indicator		1123
	ReceiptType <*RctTp*>	[0..*]	CodeSet		1123
	ReceiptDestination <*RctDstn*>	[0..1]	Text		1123

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		349
	TransactionSubType <*TxSubTp*>	[0..1]	Text		350
	AdditionalService <*AddtlSvc*>	[0..*]	±		350
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		350
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		351
	MessageReason <*MsgRsn*>	[0..*]	Text		351
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		351
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		351
	AssociatedDataIndicator <*AssoctdDataInd*>	[0..1]	Indicator		351
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		352
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		352
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		352
	TransactionIdentification <*TxId*>	[1..1]	±		352
	DisputeData <*DsptData*>	[0..*]	±		353
	TransactionAmounts <*TxAmts*>	[1..1]	±		354
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		354
	AdditionalFees <*AddtlFees*>	[0..*]	±		354
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		355
	DepositDetails <*DpstDtls*>	[0..*]	±		355
	FundsServices <*FndsSvcs*>	[0..1]	±		356
	AccountFrom <*AcctFr*>	[0..1]	±		356
	AccountTo <*AcctTo*>	[0..1]	±		356
	TransactionDescription <*TxDesc*>	[0..1]	Text		356
	AdditionalData <*AddtlData*>	[0..*]			357
	Type <*Tp*>	[0..1]	Text		357
	Value <*Val*>	[0..1]	Text		357

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 1634

17.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1265 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1265
	OtherType <*OthrTp*>	[0..1]	Text		1265

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 1622

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 occurence 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 1640

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 1635

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 1640

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 1642

17.4.2.3.9 AssociatedDataIndicator <AssoctdDataInd>

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 1631):

- *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 1642

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 1640

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 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1393 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1394
	TimeZone <*TmZone*>	[0..1]	Text		1394
	TransactionReference <*TxRef*>	[0..1]	Text		1394
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1394
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1395
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1395
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1395
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1395
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1396
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1396
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1396
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1396
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1396

17.4.2.3.14 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData1" on page 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		1271
	DisputeCondition <*DsptCond*>	[0..1]	Text		1271
	DisputeStatus <*DsptSts*>	[0..1]	Text		1271
	PartialDispute <*PrtlDspt*>	[0..1]	Indicator		1271
	DisputeReference <*DsptRef*>	[0..*]	±		1271
	DocumentationStatus <*DcmnttnSts*>	[0..1]	Text		1272
	AdditionalDisputeData <*AddtlDsptData*>	[0..1]	Text		1272
	DisputeRejectReason <*DsptRjctRsn*>	[0..*]	Text		1272
	ChargebackEligibility <*ChrgbckElgblty*>	[0..1]	Text		1272

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 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 976 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

17.4.2.3.19 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see "DepositDetails1" on page 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1270
	OtherType <*OthrTp*>	[0..1]	Text		1270
	Amount <*Amt*>	[0..1]	±		1270

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 1414 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FundingService <*FndgSvc*>	[0..1]	±		1414
	FundingSource <*FndgSrc*>	[0..1]	±		1414
	ClaimInformation <*ClmInf*>	[0..1]	±		1414

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		357
	Value <*Val*>	[0..1]	Text		357

17.4.2.3.24.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

17.4.2.3.24.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1025 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <*PurchsIdrTp*>	[0..1]	CodeSet		1025
	OtherPurchaseIdentifierType <*OthrPurchsIdrTp*>	[0..1]	Text		1026
	PurchaseIdentifier <*PurchsIdr*>	[0..1]	Text		1026
	AdditionalAcceptorData <*AddtlAccptrData*>	[0..1]	±		1026
	Customer <*Cstmr*>	[0..1]	±		1027
	Sale <*Sale*>	[0..1]	±		1028
	Fleet <*Fleet*>	[0..1]	±		1028
	Invoice <*Invc*>	[0..1]	±		1028
	TravelAgency <*TrvlAgcy*>	[0..1]	±		1029
	PassengerTransport <*PssngrTrnsprt*>	[0..1]	±		1029
	VehicleRental <*VhclRntl*>	[0..*]	±		1029
	Lodging <*Ldgg*>	[0..*]	±		1030
	ShippingData <*ShppgData*>	[0..1]	±		1030
	TelecommunicationServices <*TelecomSvcs*>	[0..1]	±		1031
	TemporaryServices <*TempSvcs*>	[0..*]	±		1031
	Instalment <*Instlmt*>	[0..1]	±		1032
	AdditionalData <*AddtlData*>	[0..*]			1032
	Type <*Tp*>	[0..1]	Text		1033
	Value <*Val*>	[0..1]	Text		1033

17.4.2.5 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult1" on page 1523 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1523
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1524
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1524
	ResultData <*RsltData*>	[0..1]	±		1524
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1525
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1525
	Action <*Actn*>	[0..*]	±		1526
	AdditionalAction <*AddtlActn*>	[0..*]	±		1526
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1526

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 1635

17.4.2.7 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

18 DRAFT5cain.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]			367
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		367
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		368
	ExchangeIdentification <*XchgId*>	[0..1]	Text		368
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		368
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		368
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		368
	InitiatingParty <*InitgPty*>	[1..1]	±		369
	RecipientParty <*RcptPty*>	[0..1]	±		369
	TraceData <*TracData*>	[0..*]			370
	Type <*Tp*>	[0..1]	Text		370
	Value <*Val*>	[0..1]	Text		370
	Traceability <*Tracblt*>	[0..*]	±		370
	Body <*Body*>	[1..1]			370
	Environment <*Envt*>	[1..1]			372
	Acquirer <*Acqrr*>	[1..1]	±		372
	Sender <*Sndr*>	[0..1]	±		373
	Receiver <*Rcvr*>	[0..1]	±		373
	Acceptor <*Accptr*>	[0..1]	±		374
	Terminal <*Termnl*>	[0..1]	±		374
	Card <*Card*>	[0..1]	±		374
	Wallet <*Wllt*>	[0..1]	±		375
	Token <*Tkn*>	[0..1]	±		375
	Context <*Cntxt*>	[0..1]			376
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		376
	TransactionContext <*TxCntxt*>	[0..1]	±		377
	Verification <*Vrfctn*>	[0..*]	±		378
	RiskContext <*RskCntxt*>	[0..1]	±		378
	Transaction <*Tx*>	[1..1]			378

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionType <*TxTp*>	[1..1]	Text		379
	TransactionSubType <*TxSubTp*>	[0..1]	Text		379
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		379
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		380
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		380
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		381
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		381
	TransactionIdentification <*TxId*>	[1..1]	±		381
	TransactionAmounts <*TxAmts*>	[1..1]	±		382
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		382
	AdditionalFees <*AddtlFees*>	[0..*]	±		383
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		383
	AccountBalance <*AcctBal*>	[0..*]	±		384
	AccountFrom <*AcctFr*>	[0..1]	±		384
	AccountTo <*AcctTo*>	[0..1]	±		384
	TransactionDescription <*TxDesc*>	[0..1]	Text		385
	AdditionalData <*AddtlData*>	[0..*]			385
	Type <*Tp*>	[0..1]	Text		385
	Value <*Val*>	[0..1]	Text		385
	AddendumData <*AdddmData*>	[0..1]	±		385
	ProcessingResult <*PrcgRslt*>	[1..1]	±		386
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		386
	ProtectedData <*PrtctdData*>	[0..*]	±		386
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	389
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		389

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 **Header42** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		367
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		368
	ExchangeIdentification <*XchgId*>	[0..1]	Text		368
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		368
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		368
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		368
	InitiatingParty <*InitgPty*>	[1..1]	±		369
	RecipientParty <*RcptPty*>	[0..1]	±		369
	TraceData <*TracData*>	[0..*]			370
	Type <*Tp*>	[0..1]	Text		370
	Value <*Val*>	[0..1]	Text		370
	Traceability <*Tracblt*>	[0..*]	±		370

18.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction16Code" on page 1599

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.

18.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

18.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

18.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

18.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

18.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

18.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

18.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

18.4.1.9 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		370
	Value <*Val*>	[0..1]	Text		370

18.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

18.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

18.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			372
	Acquirer <*Acqrr*>	[1..1]	±		372
	Sender <*Sndr*>	[0..1]	±		373
	Receiver <*Rcvr*>	[0..1]	±		373
	Acceptor <*Accptr*>	[0..1]	±		374
	Terminal <*Termnl*>	[0..1]	±		374
	Card <*Card*>	[0..1]	±		374
	Wallet <*Wllt*>	[0..1]	±		375
	Token <*Tkn*>	[0..1]	±		375
	Context <*Cntxt*>	[0..1]			376
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		376
	TransactionContext <*TxCntxt*>	[0..1]	±		377
	Verification <*Vrfctn*>	[0..*]	±		378
	RiskContext <*RskCntxt*>	[0..1]	±		378
	Transaction <*Tx*>	[1..1]			378
	TransactionType <*TxTp*>	[1..1]	Text		379
	TransactionSubType <*TxSubTp*>	[0..1]	Text		379
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		379
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		380
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		380
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		381
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		381
	TransactionIdentification <*TxId*>	[1..1]	±		381
	TransactionAmounts <*TxAmts*>	[1..1]	±		382
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		382
	AdditionalFees <*AddtlFees*>	[0..*]	±		383
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		383
	AccountBalance <*AcctBal*>	[0..*]	±		384
	AccountFrom <*AcctFr*>	[0..1]	±		384
	AccountTo <*AcctTo*>	[0..1]	±		384
	TransactionDescription <*TxDesc*>	[0..1]	Text		385

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalData <*AddtlData*>	[0..*]			385
	Type <*Tp*>	[0..1]	Text		385
	Value <*Val*>	[0..1]	Text		385
	AddendumData <*AdddmData*>	[0..1]	±		385
	ProcessingResult <*PrcgRslt*>	[1..1]	±		386
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		386
	ProtectedData <*PrtctdData*>	[0..*]	±		386
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	389

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]	±		372
	Sender <*Sndr*>	[0..1]	±		373
	Receiver <*Rcvr*>	[0..1]	±		373
	Acceptor <*Accptr*>	[0..1]	±		374
	Terminal <*Termnl*>	[0..1]	±		374
	Card <*Card*>	[0..1]	±		374
	Wallet <*Wllt*>	[0..1]	±		375
	Token <*Tkn*>	[0..1]	±		375

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1017 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1018
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1018
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1019
	EffectiveDate <*FctvDt*>	[0..1]	Text		1019
	ExpiryDate <*XpryDt*>	[0..1]	Text		1019
	Track3 <*Trck3*>	[0..1]	Text		1019
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1019
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1020
	PANFourLastDigits <*PANFourLastDgts*>	[0..1]	Text		1020
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1020
	CardCurrencyCode <*CardCcyCd*>	[0..1]	CodeSet	C2	1020
	CardProductType <*CardPdctTp*>	[0..1]	Text		1020
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1020
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1021
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1021

18.4.2.1.7 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		376
	TransactionContext <*TxCntxt*>	[0..1]	±		377
	Verification <*Vrfctn*>	[0..*]	±		378
	RiskContext <*RskCntxt*>	[0..1]	±		378

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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 1548 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1549
	OtherType <*OthrTp*>	[0..1]	Text		1551
	SubType <*SubTp*>	[0..1]	Text		1551
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1552
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1552

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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		379
	TransactionSubType <*TxSubTp*>	[0..1]	Text		379
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		379
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		380
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		380
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		381
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		381
	TransactionIdentification <*TxId*>	[1..1]	±		381
	TransactionAmounts <*TxAmts*>	[1..1]	±		382
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		382
	AdditionalFees <*AddtlFees*>	[0..*]	±		383
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		383
	AccountBalance <*AcctBal*>	[0..*]	±		384
	AccountFrom <*AcctFr*>	[0..1]	±		384
	AccountTo <*AcctTo*>	[0..1]	±		384
	TransactionDescription <*TxDesc*>	[0..1]	Text		385
	AdditionalData <*AddtlData*>	[0..*]			385
	Type <*Tp*>	[0..1]	Text		385
	Value <*Val*>	[0..1]	Text		385

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 1634

18.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1622

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 occurence 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 1640

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 1642

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 1640

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 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1393 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1394
	TimeZone <*TmZone*>	[0..1]	Text		1394
	TransactionReference <*TxRef*>	[0..1]	Text		1394
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1394
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1395
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1395
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1395
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1395
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1396
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1396
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1396
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1396
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1396

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 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 976 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 998 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountType <*AcctTp*>	[1..1]	Text		998
	Balance <*Bal*>	[0..*]			998
	Type <*Tp*>	[1..1]	CodeSet		999
	OtherType <*OthrTp*>	[0..1]	Text		999
	Amount <*Amt*>	[1..1]	Amount		999
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1000
	Sign <*Sgn*>	[0..1]	Indicator		1000
	CardholderCurrencyIndicator <*CrdhldrCcyInd*>	[0..1]	Indicator		1000
	BalanceDate <*BalDt*>	[0..1]	Date		1000

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		385
	Value <*Val*>	[0..1]	Text		385

18.4.2.3.17.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

18.4.2.3.17.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1265 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Fleet <*Fleet*>	[0..1]	±		1266
	AdditionalData <*AddtlData*>	[0..*]			1266
	Type <*Tp*>	[0..1]	Text		1266
	Value <*Val*>	[0..1]	Text		1266

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 1519 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1520
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1520
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1520
	ResultData <*RsltData*>	[0..1]	±		1521
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1521
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1521
	Action <*Actn*>	[0..*]	±		1522
	AdditionalAction <*AddtlActn*>	[0..*]	±		1522
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1523

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 1635

18.4.2.7 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

19 DRAFT5cain.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]			394
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		395
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		395
	ExchangeIdentification <*XchgId*>	[0..1]	Text		395
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		396
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		396
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		396
	InitiatingParty <*InitgPty*>	[1..1]	±		396
	RecipientParty <*RcptPty*>	[0..1]	±		397
	TraceData <*TracData*>	[0..*]			397
	Type <*Tp*>	[0..1]	Text		397
	Value <*Val*>	[0..1]	Text		397
	Traceability <*Tracblt*>	[0..*]	±		397
	Body <*Body*>	[1..1]			398
	Environment <*Envt*>	[1..1]			400
	Acquirer <*Acqrr*>	[1..1]	±		401
	Sender <*Sndr*>	[0..1]	±		401
	Receiver <*Rcvr*>	[0..1]	±		402
	Acceptor <*Accptr*>	[0..1]	±		402
	Payer <*Pyer*>	[0..1]	±		403
	Payee <*Pyee*>	[0..1]	±		403
	Terminal <*Termnl*>	[0..1]	±		404
	Card <*Card*>	[1..1]	±		404
	CustomerDevice <*CstmrDvc*>	[0..1]	±		405
	Wallet <*Wllt*>	[0..1]	±		405
	Token <*Tkn*>	[0..1]	±		406
	Cardholder <*Crdhldr*>	[0..1]	±		406
	Context <*Cntxt*>	[1..1]			406
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		407

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionContext <*TxCntxt*>	[1..1]	±		408
	Verification <*Vrfctn*>	[0..*]	±		409
	RiskContext <*RskCntxt*>	[0..*]	±		409
	SaleContext <*SaleCntxt*>	[0..1]	±		410
	Transaction <*Tx*>	[1..1]			410
	TransactionType <*TxTp*>	[1..1]	Text		411
	TransactionSubType <*TxSubTp*>	[0..1]	Text		412
	AdditionalService <*AddtlSvc*>	[0..*]	±		412
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		412
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		413
	MessageReason <*MsgRsn*>	[0..*]	Text		413
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		413
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		413
	AssociatedDataIndicator <*AssoctdDataInd*>	[0..1]	Indicator		413
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		414
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		414
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		414
	TransactionIdentification <*TxId*>	[1..1]	±		414
	DisputeData <*DsptData*>	[0..*]	±		415
	TransactionAmounts <*TxAmts*>	[1..1]	±		416
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		416
	AdditionalFees <*AddtlFees*>	[0..*]	±		416
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		417
	DepositDetails <*DpstDtls*>	[0..*]	±		417
	FundsServices <*FndsSvcs*>	[0..1]	±		418
	AccountFrom <*AcctFr*>	[0..1]	±		418
	AccountTo <*AcctTo*>	[0..1]	±		418
	TransactionDescription <*TxDesc*>	[0..1]	Text		418
	AdditionalData <*AddtlData*>	[0..*]			419
	Type <*Tp*>	[0..1]	Text		419
	Value <*Val*>	[0..1]	Text		419

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddendumData <*AdddmData*>	[0..1]	±		419
	ProcessingResult <*PrcgRslt*>	[0..1]	±		420
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		421
	ProtectedData <*PrtctdData*>	[0..*]	±		421
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	424
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		424

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 **Header42** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		395
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		395
	ExchangeIdentification <*XchgId*>	[0..1]	Text		395
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		396
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		396
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		396
	InitiatingParty <*InitgPty*>	[1..1]	±		396
	RecipientParty <*RcptPty*>	[0..1]	±		397
	TraceData <*TracData*>	[0..*]			397
	Type <*Tp*>	[0..1]	Text		397
	Value <*Val*>	[0..1]	Text		397
	Traceability <*Tracblt*>	[0..*]	±		397

19.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction16Code" on page 1599

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.

19.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

19.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

19.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

19.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

19.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

19.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

19.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

19.4.1.9 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		397
	Value <*Val*>	[0..1]	Text		397

19.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

19.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

19.4.1.10 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 <TracbIt> contains the following elements (see "Traceability7" on page 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			400
	Acquirer <*Acqrr*>	[1..1]	±		401
	Sender <*Sndr*>	[0..1]	±		401
	Receiver <*Rcvr*>	[0..1]	±		402
	Acceptor <*Accptr*>	[0..1]	±		402
	Payer <*Pyer*>	[0..1]	±		403
	Payee <*Pyee*>	[0..1]	±		403
	Terminal <*Termnl*>	[0..1]	±		404
	Card <*Card*>	[1..1]	±		404
	CustomerDevice <*CstmrDvc*>	[0..1]	±		405
	Wallet <*Wllt*>	[0..1]	±		405
	Token <*Tkn*>	[0..1]	±		406
	Cardholder <*Crdhldr*>	[0..1]	±		406
	Context <*Cntxt*>	[1..1]			406
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		407
	TransactionContext <*TxCntxt*>	[1..1]	±		408
	Verification <*Vrfctn*>	[0..*]	±		409
	RiskContext <*RskCntxt*>	[0..*]	±		409
	SaleContext <*SaleCntxt*>	[0..1]	±		410
	Transaction <*Tx*>	[1..1]			410
	TransactionType <*TxTp*>	[1..1]	Text		411
	TransactionSubType <*TxSubTp*>	[0..1]	Text		412
	AdditionalService <*AddtlSvc*>	[0..*]	±		412
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		412
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		413
	MessageReason <*MsgRsn*>	[0..*]	Text		413
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		413
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		413
	AssociatedDataIndicator <*AssoctdDataInd*>	[0..1]	Indicator		413
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		414
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		414

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		414
	TransactionIdentification <*TxId*>	[1..1]	±		414
	DisputeData <*DsptData*>	[0..*]	±		415
	TransactionAmounts <*TxAmts*>	[1..1]	±		416
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		416
	AdditionalFees <*AddtlFees*>	[0..*]	±		416
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		417
	DepositDetails <*DpstDtls*>	[0..*]	±		417
	FundsServices <*FndsSvcs*>	[0..1]	±		418
	AccountFrom <*AcctFr*>	[0..1]	±		418
	AccountTo <*AcctTo*>	[0..1]	±		418
	TransactionDescription <*TxDesc*>	[0..1]	Text		418
	AdditionalData <*AddtlData*>	[0..*]			419
	Type <*Tp*>	[0..1]	Text		419
	Value <*Val*>	[0..1]	Text		419
	AddendumData <*AdddmData*>	[0..1]	±		419
	ProcessingResult <*PrcgRslt*>	[0..1]	±		420
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		421
	ProtectedData <*PrtctdData*>	[0..*]	±		421
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	424

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]	±		401
	Sender <*Sndr*>	[0..1]	±		401
	Receiver <*Rcvr*>	[0..1]	±		402
	Acceptor <*Accptr*>	[0..1]	±		402
	Payer <*Pyer*>	[0..1]	±		403
	Payee <*Pyee*>	[0..1]	±		403
	Terminal <*Termnl*>	[0..1]	±		404
	Card <*Card*>	[1..1]	±		404
	CustomerDevice <*CstmrDvc*>	[0..1]	±		405
	Wallet <*Wllt*>	[0..1]	±		405
	Token <*Tkn*>	[0..1]	±		406
	Cardholder <*Crdhldr*>	[0..1]	±		406

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376
	Type <*Tp*>	[0..1]	CodeSet		1377
	OtherType <*OthrTp*>	[0..1]	Text		1377
	Capabilities <*Cpblties*>	[0..1]	±		1377
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1378
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1378
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1379
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1379
	POIComponent <*POICmpnt*>	[0..*]	±		1379

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 1010 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[1..1]	Text		1010
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1011
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1011
	EffectiveDate <*FctvDt*>	[0..1]	Text		1011
	ExpiryDate <*XpryDt*>	[0..1]	Text		1011
	ServiceCode <*SvcCd*>	[0..1]	Text		1011
	Track1 <*Trck1*>	[0..1]	Text		1012
	Track2 <*Trck2*>	[0..1]			1012
{Or	TextValue <*TxtVal*>	[1..1]	Text		1012
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1012
	Track3 <*Trck3*>	[0..1]	Text		1013
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1013
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1013
	CardProductType <*CardPdctTp*>	[0..1]	Text		1013
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1013
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1013
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1014

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 1266 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Device <*Dvc*>	[0..1]	±		1267
	Identification <*Id*>	[0..1]	Text		1267
	Provider <*Prvdr*>	[0..1]	Text		1267

19.4.2.1.10 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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]	±		407
	TransactionContext <*TxCntxt*>	[1..1]	±		408
	Verification <*Vrfctn*>	[0..*]	±		409
	RiskContext <*RskCntxt*>	[0..*]	±		409
	SaleContext <*SaleCntxt*>	[0..1]	±		410

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1075 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[1..1]	Text		1075
	MerchantCategorySpecificData <*MrchntCtgySpcfcData*>	[0..1]	Text		1075
	CustomerConsent <*CstmrCnsnt*>	[0..1]	Indicator		1076
	ICCFallbackIndicator <*ICCFllbckInd*>	[0..1]	Indicator		1076
	MagneticStripeFallbackIndicator <*MgntcStrpFllbckInd*>	[0..1]	Indicator		1076
	LatePresentmentIndicator <*LatePresntmntInd*>	[0..1]	Indicator		1076
	FinalAuthorisationIndicator <*FnlAuthstnInd*>	[0..1]	Indicator		1077
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1077
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1077
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1077
	SettlementService <*SttlmSvc*>	[0..1]	±		1078
	Reconciliation <*Rcncltn*>	[0..1]	±		1079
	CaptureDate <*CaptrDt*>	[0..1]	Date		1079

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 1540 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1540
	OtherType <*OthrTp*>	[0..1]	Text		1543
	SubType <*SubTp*>	[0..1]	Text		1543
	VerificationInformation <*VrfctnInf*>	[0..*]	±		1543
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1543

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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 1121 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SaleIdentification <*SaleId*>	[0..1]	Text		1121
	SaleReferenceIdentification <*SaleRefId*>	[0..1]	Text		1122
	SaleReferenceNumber <*SaleRefNb*>	[0..1]	Text		1122
	GoodsAndServicesType <*GoodsAndSvcsTp*>	[0..1]	CodeSet		1122
	GoodAndServicesSubType <*GoodAndSvcsSubTp*>	[0..1]	CodeSet		1122
	GoodAndServicesOtherSubType <*GoodAndSvcsOthrSubTp*>	[0..1]	Text		1122
	SplitPaymentIndicator <*SpltPmtInd*>	[0..1]	Indicator		1122
	ReceiptRequestIndicator <*RctReqInd*>	[0..1]	Indicator		1123
	ReceiptType <*RctTp*>	[0..*]	CodeSet		1123
	ReceiptDestination <*RctDstn*>	[0..1]	Text		1123

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		411
	TransactionSubType <*TxSubTp*>	[0..1]	Text		412
	AdditionalService <*AddtlSvc*>	[0..*]	±		412
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		412
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		413
	MessageReason <*MsgRsn*>	[0..*]	Text		413
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		413
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		413
	AssociatedDataIndicator <*AssoctdDataInd*>	[0..1]	Indicator		413
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		414
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		414
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		414
	TransactionIdentification <*TxId*>	[1..1]	±		414
	DisputeData <*DsptData*>	[0..*]	±		415
	TransactionAmounts <*TxAmts*>	[1..1]	±		416
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		416
	AdditionalFees <*AddtlFees*>	[0..*]	±		416
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		417
	DepositDetails <*DpstDtls*>	[0..*]	±		417
	FundsServices <*FndsSvcs*>	[0..1]	±		418
	AccountFrom <*AcctFr*>	[0..1]	±		418
	AccountTo <*AcctTo*>	[0..1]	±		418
	TransactionDescription <*TxDesc*>	[0..1]	Text		418
	AdditionalData <*AddtlData*>	[0..*]			419
	Type <*Tp*>	[0..1]	Text		419
	Value <*Val*>	[0..1]	Text		419

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 1634

19.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1265 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1265
	OtherType <*OthrTp*>	[0..1]	Text		1265

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 1622

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 occurence 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 1640

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 1635

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 1640

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 1642

19.4.2.3.9 AssociatedDataIndicator <AssoctdDataInd>

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 1631):

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

19.4.2.3.10 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: "Max70Text" on page 1642

19.4.2.3.11 AssociatedDataDestination <AssoctdDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: "Max35Text" on page 1640

19.4.2.3.12 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

19.4.2.3.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification8" on page 1393 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1394
	TimeZone <*TmZone*>	[0..1]	Text		1394
	TransactionReference <*TxRef*>	[0..1]	Text		1394
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1394
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1395
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1395
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1395
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1395
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1396
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1396
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1396
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1396
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1396

19.4.2.3.14 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData1" on page 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		1271
	DisputeCondition <*DsptCond*>	[0..1]	Text		1271
	DisputeStatus <*DsptSts*>	[0..1]	Text		1271
	PartialDispute <*PrtlDspt*>	[0..1]	Indicator		1271
	DisputeReference <*DsptRef*>	[0..*]	±		1271
	DocumentationStatus <*DcmnttnSts*>	[0..1]	Text		1272
	AdditionalDisputeData <*AddtlDsptData*>	[0..1]	Text		1272
	DisputeRejectReason <*DsptRjctRsn*>	[0..*]	Text		1272
	ChargebackEligibility <*ChrgbckElgblty*>	[0..1]	Text		1272

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 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 976 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

19.4.2.3.19 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see "DepositDetails1" on page 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1270
	OtherType <*OthrTp*>	[0..1]	Text		1270
	Amount <*Amt*>	[0..1]	±		1270

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 1414 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FundingService <*FndgSvc*>	[0..1]	±		1414
	FundingSource <*FndgSrc*>	[0..1]	±		1414
	ClaimInformation <*ClmInf*>	[0..1]	±		1414

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		419
	Value <*Val*>	[0..1]	Text		419

19.4.2.3.24.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

19.4.2.3.24.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1025 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <*PurchsIdrTp*>	[0..1]	CodeSet		1025
	OtherPurchaseIdentifierType <*OthrPurchsIdrTp*>	[0..1]	Text		1026
	PurchaseIdentifier <*PurchsIdr*>	[0..1]	Text		1026
	AdditionalAcceptorData <*AddtlAccptrData*>	[0..1]	±		1026
	Customer <*Cstmr*>	[0..1]	±		1027
	Sale <*Sale*>	[0..1]	±		1028
	Fleet <*Fleet*>	[0..1]	±		1028
	Invoice <*Invc*>	[0..1]	±		1028
	TravelAgency <*TrvlAgcy*>	[0..1]	±		1029
	PassengerTransport <*PssngrTrnsprt*>	[0..1]	±		1029
	VehicleRental <*VhclRntl*>	[0..*]	±		1029
	Lodging <*Ldgg*>	[0..*]	±		1030
	ShippingData <*ShppgData*>	[0..1]	±		1030
	TelecommunicationServices <*TelecomSvcs*>	[0..1]	±		1031
	TemporaryServices <*TempSvcs*>	[0..*]	±		1031
	Instalment <*Instlmt*>	[0..1]	±		1032
	AdditionalData <*AddtlData*>	[0..*]			1032
	Type <*Tp*>	[0..1]	Text		1033
	Value <*Val*>	[0..1]	Text		1033

19.4.2.5 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult1" on page 1523 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1523
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1524
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1524
	ResultData <*RsltData*>	[0..1]	±		1524
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1525
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1525
	Action <*Actn*>	[0..*]	±		1526
	AdditionalAction <*AddtlActn*>	[0..*]	±		1526
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1526

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 1635

19.4.2.7 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

20 DRAFT5cain.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]			429
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		429
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		430
	ExchangeIdentification <*XchgId*>	[0..1]	Text		430
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		430
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		430
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		430
	InitiatingParty <*InitgPty*>	[1..1]	±		431
	RecipientParty <*RcptPty*>	[0..1]	±		431
	TraceData <*TracData*>	[0..*]			432
	Type <*Tp*>	[0..1]	Text		432
	Value <*Val*>	[0..1]	Text		432
	Traceability <*Tracblt*>	[0..*]	±		432
	Body <*Body*>	[1..1]			432
	Environment <*Envt*>	[1..1]			434
	Acquirer <*Acqrr*>	[1..1]	±		434
	Sender <*Sndr*>	[0..1]	±		435
	Receiver <*Rcvr*>	[0..1]	±		435
	Acceptor <*Accptr*>	[0..1]	±		436
	Terminal <*Termnl*>	[0..1]	±		436
	Card <*Card*>	[0..1]	±		436
	Wallet <*Wllt*>	[0..1]	±		437
	Token <*Tkn*>	[0..1]	±		437
	Context <*Cntxt*>	[1..1]			438
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		438
	TransactionContext <*TxCntxt*>	[0..1]	±		439
	Verification <*Vrfctn*>	[0..*]	±		440
	RiskContext <*RskCntxt*>	[0..1]	±		440
	Transaction <*Tx*>	[1..1]			440

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionType <*TxTp*>	[1..1]	Text		441
	TransactionSubType <*TxSubTp*>	[0..1]	Text		441
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		441
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		442
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		442
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		443
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		443
	TransactionIdentification <*TxId*>	[1..1]	±		443
	TransactionAmounts <*TxAmts*>	[1..1]	±		444
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		444
	AdditionalFees <*AddtlFees*>	[0..*]	±		445
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		445
	AccountBalance <*AcctBal*>	[0..*]	±		446
	AccountFrom <*AcctFr*>	[0..1]	±		446
	AccountTo <*AcctTo*>	[0..1]	±		446
	TransactionDescription <*TxDesc*>	[0..1]	Text		447
	AdditionalData <*AddtlData*>	[0..*]			447
	Type <*Tp*>	[0..1]	Text		447
	Value <*Val*>	[0..1]	Text		447
	AddendumData <*AdddmData*>	[0..1]	±		447
	ProcessingResult <*PrcgRslt*>	[1..1]	±		448
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		448
	ProtectedData <*PrtctdData*>	[0..*]	±		448
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	451
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		451

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 **Header42** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		429
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		430
	ExchangeIdentification <*XchgId*>	[0..1]	Text		430
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		430
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		430
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		430
	InitiatingParty <*InitgPty*>	[1..1]	±		431
	RecipientParty <*RcptPty*>	[0..1]	±		431
	TraceData <*TracData*>	[0..*]			432
	Type <*Tp*>	[0..1]	Text		432
	Value <*Val*>	[0..1]	Text		432
	Traceability <*Tracblt*>	[0..*]	±		432

20.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction16Code" on page 1599

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.

20.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

20.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

20.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

20.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

20.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

20.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

20.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

20.4.1.9 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		432
	Value <*Val*>	[0..1]	Text		432

20.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

20.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

20.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			434
	Acquirer <*Acqrr*>	[1..1]	±		434
	Sender <*Sndr*>	[0..1]	±		435
	Receiver <*Rcvr*>	[0..1]	±		435
	Acceptor <*Accptr*>	[0..1]	±		436
	Terminal <*Termnl*>	[0..1]	±		436
	Card <*Card*>	[0..1]	±		436
	Wallet <*Wllt*>	[0..1]	±		437
	Token <*Tkn*>	[0..1]	±		437
	Context <*Cntxt*>	[1..1]			438
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		438
	TransactionContext <*TxCntxt*>	[0..1]	±		439
	Verification <*Vrfctn*>	[0..*]	±		440
	RiskContext <*RskCntxt*>	[0..1]	±		440
	Transaction <*Tx*>	[1..1]			440
	TransactionType <*TxTp*>	[1..1]	Text		441
	TransactionSubType <*TxSubTp*>	[0..1]	Text		441
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		441
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		442
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		442
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		443
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		443
	TransactionIdentification <*TxId*>	[1..1]	±		443
	TransactionAmounts <*TxAmts*>	[1..1]	±		444
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		444
	AdditionalFees <*AddtlFees*>	[0..*]	±		445
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		445
	AccountBalance <*AcctBal*>	[0..*]	±		446
	AccountFrom <*AcctFr*>	[0..1]	±		446
	AccountTo <*AcctTo*>	[0..1]	±		446
	TransactionDescription <*TxDesc*>	[0..1]	Text		447

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalData <*AddtlData*>	[0..*]			447
	Type <*Tp*>	[0..1]	Text		447
	Value <*Val*>	[0..1]	Text		447
	AddendumData <*AdddmData*>	[0..1]	±		447
	ProcessingResult <*PrcgRslt*>	[1..1]	±		448
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		448
	ProtectedData <*PrtctdData*>	[0..*]	±		448
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	451

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]	±		434
	Sender <*Sndr*>	[0..1]	±		435
	Receiver <*Rcvr*>	[0..1]	±		435
	Acceptor <*Accptr*>	[0..1]	±		436
	Terminal <*Termnl*>	[0..1]	±		436
	Card <*Card*>	[0..1]	±		436
	Wallet <*Wllt*>	[0..1]	±		437
	Token <*Tkn*>	[0..1]	±		437

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1017 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1018
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1018
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1019
	EffectiveDate <*FctvDt*>	[0..1]	Text		1019
	ExpiryDate <*XpryDt*>	[0..1]	Text		1019
	Track3 <*Trck3*>	[0..1]	Text		1019
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1019
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1020
	PANFourLastDigits <*PANFourLastDgts*>	[0..1]	Text		1020
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1020
	CardCurrencyCode <*CardCcyCd*>	[0..1]	CodeSet	C2	1020
	CardProductType <*CardPdctTp*>	[0..1]	Text		1020
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1020
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1021
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1021

20.4.2.1.7 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		438
	TransactionContext <*TxCntxt*>	[0..1]	±		439
	Verification <*Vrfctn*>	[0..*]	±		440
	RiskContext <*RskCntxt*>	[0..1]	±		440

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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 1548 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1549
	OtherType <*OthrTp*>	[0..1]	Text		1551
	SubType <*SubTp*>	[0..1]	Text		1551
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1552
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1552

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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		441
	TransactionSubType <*TxSubTp*>	[0..1]	Text		441
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		441
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		442
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		442
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		443
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		443
	TransactionIdentification <*TxId*>	[1..1]	±		443
	TransactionAmounts <*TxAmts*>	[1..1]	±		444
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		444
	AdditionalFees <*AddtlFees*>	[0..*]	±		445
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		445
	AccountBalance <*AcctBal*>	[0..*]	±		446
	AccountFrom <*AcctFr*>	[0..1]	±		446
	AccountTo <*AcctTo*>	[0..1]	±		446
	TransactionDescription <*TxDesc*>	[0..1]	Text		447
	AdditionalData <*AddtlData*>	[0..*]			447
	Type <*Tp*>	[0..1]	Text		447
	Value <*Val*>	[0..1]	Text		447

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 1634

20.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1622

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 occurence 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 1640

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 1642

20.4.2.3.6 AssociatedDataDestination <AssoctdDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: "Max35Text" on page 1640

20.4.2.3.7 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1393 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1394
	TimeZone <*TmZone*>	[0..1]	Text		1394
	TransactionReference <*TxRef*>	[0..1]	Text		1394
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1394
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1395
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1395
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1395
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1395
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1396
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1396
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1396
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1396
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1396

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 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 976 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 998 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountType <*AcctTp*>	[1..1]	Text		998
	Balance <*Bal*>	[0..*]			998
	Type <*Tp*>	[1..1]	CodeSet		999
	OtherType <*OthrTp*>	[0..1]	Text		999
	Amount <*Amt*>	[1..1]	Amount		999
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1000
	Sign <*Sgn*>	[0..1]	Indicator		1000
	CardholderCurrencyIndicator <*CrdhldrCcyInd*>	[0..1]	Indicator		1000
	BalanceDate <*BalDt*>	[0..1]	Date		1000

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		447
	Value <*Val*>	[0..1]	Text		447

20.4.2.3.17.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

20.4.2.3.17.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1265 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Fleet <*Fleet*>	[0..1]	±		1266
	AdditionalData <*AddtlData*>	[0..*]			1266
	Type <*Tp*>	[0..1]	Text		1266
	Value <*Val*>	[0..1]	Text		1266

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 1519 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1520
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1520
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1520
	ResultData <*RsltData*>	[0..1]	±		1521
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1521
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1521
	Action <*Actn*>	[0..*]	±		1522
	AdditionalAction <*AddtlActn*>	[0..*]	±		1522
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1523

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 1635

20.4.2.7 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

21 DRAFT5cain.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]			456
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		456
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		457
	ExchangeIdentification <*XchgId*>	[0..1]	Text		457
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		457
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		457
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		457
	InitiatingParty <*InitgPty*>	[1..1]	±		458
	RecipientParty <*RcptPty*>	[0..1]	±		458
	TraceData <*TracData*>	[0..*]			459
	Type <*Tp*>	[0..1]	Text		459
	Value <*Val*>	[0..1]	Text		459
	Traceability <*Tracblt*>	[0..*]	±		459
	Body <*Body*>	[1..1]			459
	Environment <*Envt*>	[1..1]			461
	Acquirer <*Acqrr*>	[1..1]	±		462
	Sender <*Sndr*>	[0..1]	±		462
	Receiver <*Rcvr*>	[0..1]	±		462
	Acceptor <*Accptr*>	[0..1]	±		463
	Payer <*Pyer*>	[0..1]	±		463
	Payee <*Pyee*>	[0..1]	±		464
	Terminal <*Termnl*>	[0..1]	±		464
	Card <*Card*>	[1..1]	±		464
	Wallet <*Wllt*>	[0..1]	±		465
	Token <*Tkn*>	[0..1]	±		465
	Context <*Cntxt*>	[0..1]			465
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		465
	TransactionContext <*TxCntxt*>	[0..1]	±		466
	Transaction <*Tx*>	[1..1]			467

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionType <*TxTp*>	[1..1]	Text		468
	TransactionSubType <*TxSubTp*>	[0..1]	Text		469
	AdditionalService <*AddtlSvc*>	[0..*]	±		469
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		469
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		470
	MessageReason <*MsgRsn*>	[0..*]	Text		470
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		470
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		470
	AssociatedDataIndicator <*AssoctdDataInd*>	[0..1]	Indicator		470
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		471
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		471
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		471
	TransactionIdentification <*TxId*>	[1..1]	±		471
	DisputeData <*DsptData*>	[0..*]	±		472
	TransactionAmounts <*TxAmts*>	[1..1]	±		473
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		473
	AdditionalFees <*AddtlFees*>	[0..*]	±		473
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		474
	DepositDetails <*DpstDtls*>	[0..*]	±		474
	FundsServices <*FndsSvcs*>	[0..1]	±		475
	AccountFrom <*AcctFr*>	[0..1]	±		475
	AccountTo <*AcctTo*>	[0..1]	±		475
	TransactionDescription <*TxDesc*>	[0..1]	Text		475
	AdditionalData <*AddtlData*>	[0..*]			476
	Type <*Tp*>	[0..1]	Text		476
	Value <*Val*>	[0..1]	Text		476
	ProcessingResult <*PrcgRslt*>	[0..1]	±		476
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		477
	ProtectedData <*PrtctdData*>	[0..*]	±		477
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	480
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		480

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 **Header42** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		456
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		457
	ExchangeIdentification <*XchgId*>	[0..1]	Text		457
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		457
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		457
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		457
	InitiatingParty <*InitgPty*>	[1..1]	±		458
	RecipientParty <*RcptPty*>	[0..1]	±		458
	TraceData <*TracData*>	[0..*]			459
	Type <*Tp*>	[0..1]	Text		459
	Value <*Val*>	[0..1]	Text		459
	Traceability <*Tracblt*>	[0..*]	±		459

21.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction16Code" on page 1599

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.

21.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

21.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

21.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

21.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

21.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

21.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

21.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

21.4.1.9 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		459
	Value <*Val*>	[0..1]	Text		459

21.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

21.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

21.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			461
	Acquirer <*Acqrr*>	[1..1]	±		462
	Sender <*Sndr*>	[0..1]	±		462
	Receiver <*Rcvr*>	[0..1]	±		462
	Acceptor <*Accptr*>	[0..1]	±		463
	Payer <*Pyer*>	[0..1]	±		463
	Payee <*Pyee*>	[0..1]	±		464
	Terminal <*Termnl*>	[0..1]	±		464
	Card <*Card*>	[1..1]	±		464
	Wallet <*Wllt*>	[0..1]	±		465
	Token <*Tkn*>	[0..1]	±		465
	Context <*Cntxt*>	[0..1]			465
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		465
	TransactionContext <*TxCntxt*>	[0..1]	±		466
	Transaction <*Tx*>	[1..1]			467
	TransactionType <*TxTp*>	[1..1]	Text		468
	TransactionSubType <*TxSubTp*>	[0..1]	Text		469
	AdditionalService <*AddtlSvc*>	[0..*]	±		469
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		469
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		470
	MessageReason <*MsgRsn*>	[0..*]	Text		470
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		470
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		470
	AssociatedDataIndicator <*AssoctdDataInd*>	[0..1]	Indicator		470
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		471
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		471
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		471
	TransactionIdentification <*TxId*>	[1..1]	±		471
	DisputeData <*DsptData*>	[0..*]	±		472
	TransactionAmounts <*TxAmts*>	[1..1]	±		473
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		473

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalFees <*AddtlFees*>	[0..*]	±		473
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		474
	DepositDetails <*DpstDtls*>	[0..*]	±		474
	FundsServices <*FndsSvcs*>	[0..1]	±		475
	AccountFrom <*AcctFr*>	[0..1]	±		475
	AccountTo <*AcctTo*>	[0..1]	±		475
	TransactionDescription <*TxDesc*>	[0..1]	Text		475
	AdditionalData <*AddtlData*>	[0..*]			476
	Type <*Tp*>	[0..1]	Text		476
	Value <*Val*>	[0..1]	Text		476
	ProcessingResult <*PrcgRslt*>	[0..1]	±		476
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		477
	ProtectedData <*PrtctdData*>	[0..*]	±		477
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	480

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]	±		462
	Sender <*Sndr*>	[0..1]	±		462
	Receiver <*Rcvr*>	[0..1]	±		462
	Acceptor <*Accptr*>	[0..1]	±		463
	Payer <*Pyer*>	[0..1]	±		463
	Payee <*Pyee*>	[0..1]	±		464
	Terminal <*Termnl*>	[0..1]	±		464
	Card <*Card*>	[1..1]	±		464
	Wallet <*Wllt*>	[0..1]	±		465
	Token <*Tkn*>	[0..1]	±		465

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

21.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

21.4.2.1.5 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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1015 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1016
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1016
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1016
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1016
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1017
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1017
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1017

21.4.2.1.9 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		465
	TransactionContext <*TxCntxt*>	[0..1]	±		466

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 1360 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1360
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1361
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1361
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1361
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1362
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1362
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1362
	ECommerceData <*EComrcData*>	[0..*]			1362
	Type <*Tp*>	[1..1]	Text		1363
	Value <*Val*>	[1..1]	Text		1363
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1363
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1363
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1364
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1364
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1365
	CardDataEntryMode <*CardDataNtryMd*>	[0..1]	CodeSet		1365
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1366
	StorageLocation <*StorgLctn*>	[0..1]	Text		1366
	SpecialConditions <*SpclConds*>	[0..*]			1366
	Identification <*Id*>	[0..1]	Text		1366
	Value <*Val*>	[0..1]	Text		1366

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 1070 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1070
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1070
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1070
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1071
	SettlementService <*SttlmSvc*>	[0..1]	±		1071
	Reconciliation <*Rcncltn*>	[0..1]	±		1072
	CaptureDate <*CaptrDt*>	[0..1]	Date		1073

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		468
	TransactionSubType <*TxSubTp*>	[0..1]	Text		469
	AdditionalService <*AddtlSvc*>	[0..*]	±		469
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		469
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		470
	MessageReason <*MsgRsn*>	[0..*]	Text		470
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		470
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		470
	AssociatedDataIndicator <*AssoctdDataInd*>	[0..1]	Indicator		470
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		471
	AssociatedDataDestination <*AssoctdDataDstn*>	[0..1]	Text		471
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		471
	TransactionIdentification <*TxId*>	[1..1]	±		471
	DisputeData <*DsptData*>	[0..*]	±		472
	TransactionAmounts <*TxAmts*>	[1..1]	±		473
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		473
	AdditionalFees <*AddtlFees*>	[0..*]	±		473
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		474
	DepositDetails <*DpstDtls*>	[0..*]	±		474
	FundsServices <*FndsSvcs*>	[0..1]	±		475
	AccountFrom <*AcctFr*>	[0..1]	±		475
	AccountTo <*AcctTo*>	[0..1]	±		475
	TransactionDescription <*TxDesc*>	[0..1]	Text		475
	AdditionalData <*AddtlData*>	[0..*]			476
	Type <*Tp*>	[0..1]	Text		476
	Value <*Val*>	[0..1]	Text		476

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 1634

21.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1265 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1265
	OtherType <*OthrTp*>	[0..1]	Text		1265

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 1622

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 occurence 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 1640

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 1635

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 1640

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 1642

21.4.2.3.9 AssociatedDataIndicator <AssoctdDataInd>

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 1631):

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

21.4.2.3.10 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: "Max70Text" on page 1642

21.4.2.3.11 AssociatedDataDestination <AssoctdDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: "Max35Text" on page 1640

21.4.2.3.12 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1393 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1394
	TimeZone <*TmZone*>	[0..1]	Text		1394
	TransactionReference <*TxRef*>	[0..1]	Text		1394
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1394
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1395
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1395
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1395
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1395
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1396
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1396
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1396
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1396
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1396

21.4.2.3.14 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData1" on page 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		1271
	DisputeCondition <*DsptCond*>	[0..1]	Text		1271
	DisputeStatus <*DsptSts*>	[0..1]	Text		1271
	PartialDispute <*PrtlDspt*>	[0..1]	Indicator		1271
	DisputeReference <*DsptRef*>	[0..*]	±		1271
	DocumentationStatus <*DcmnttnSts*>	[0..1]	Text		1272
	AdditionalDisputeData <*AddtlDsptData*>	[0..1]	Text		1272
	DisputeRejectReason <*DsptRjctRsn*>	[0..*]	Text		1272
	ChargebackEligibility <*ChrgbckElgblty*>	[0..1]	Text		1272

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 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 976 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

21.4.2.3.19 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see "DepositDetails1" on page 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1270
	OtherType <*OthrTp*>	[0..1]	Text		1270
	Amount <*Amt*>	[0..1]	±		1270

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 1414 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FundingService <*FndgSvc*>	[0..1]	±		1414
	FundingSource <*FndgSrc*>	[0..1]	±		1414
	ClaimInformation <*ClmInf*>	[0..1]	±		1414

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		476
	Value <*Val*>	[0..1]	Text		476

21.4.2.3.24.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

21.4.2.3.24.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1523 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1523
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1524
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1524
	ResultData <*RsltData*>	[0..1]	±		1524
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1525
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1525
	Action <*Actn*>	[0..*]	±		1526
	AdditionalAction <*AddtlActn*>	[0..*]	±		1526
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1526

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 1635

21.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

22 DRAFT5cain.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]			484
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		485
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		485
	ExchangeIdentification <*XchgId*>	[0..1]	Text		485
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		486
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		486
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		486
	InitiatingParty <*InitgPty*>	[1..1]	±		486
	RecipientParty <*RcptPty*>	[0..1]	±		487
	TraceData <*TracData*>	[0..*]			487
	Type <*Tp*>	[0..1]	Text		487
	Value <*Val*>	[0..1]	Text		487
	Traceability <*Tracblt*>	[0..*]	±		487
	Body <*Body*>	[1..1]			488
	Environment <*Envt*>	[1..1]			490
	Acquirer <*Acqrr*>	[1..1]	±		490
	Sender <*Sndr*>	[0..1]	±		490
	Receiver <*Rcvr*>	[0..1]	±		491
	Acceptor <*Accptr*>	[0..1]	±		491
	Terminal <*Termnl*>	[0..1]	±		491
	Card <*Card*>	[1..1]	±		492
	Token <*Tkn*>	[0..1]	±		492
	Context <*Cntxt*>	[1..1]	±		492
	Transaction <*Tx*>	[1..1]			493
	TransactionType <*TxTp*>	[1..1]	Text		493
	TransactionSubType <*TxSubTp*>	[0..1]	Text		494
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		494
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		495
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		495

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <*TxId*>	[1..1]	±		495
	TransactionAmounts <*TxAmts*>	[1..1]	±		496
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		496
	AdditionalFees <*AddtlFees*>	[0..*]	±		497
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		497
	AccountFrom <*AcctFr*>	[0..1]	±		498
	AccountTo <*AcctTo*>	[0..1]	±		498
	TransactionDescription <*TxDesc*>	[0..1]	Text		498
	AdditionalData <*AddtlData*>	[0..*]			498
	Type <*Tp*>	[0..1]	Text		498
	Value <*Val*>	[0..1]	Text		499
	ProcessingResult <*PrcgRslt*>	[1..1]	±		499
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		499
	ProtectedData <*PrtctdData*>	[0..*]	±		499
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	502
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		502

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 **Header42** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		485
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		485
	ExchangeIdentification <*XchgId*>	[0..1]	Text		485
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		486
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		486
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		486
	InitiatingParty <*InitgPty*>	[1..1]	±		486
	RecipientParty <*RcptPty*>	[0..1]	±		487
	TraceData <*TracData*>	[0..*]			487
	Type <*Tp*>	[0..1]	Text		487
	Value <*Val*>	[0..1]	Text		487
	Traceability <*Tracblt*>	[0..*]	±		487

22.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction16Code" on page 1599

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.

22.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

22.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

22.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

22.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

22.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

22.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

22.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

22.4.1.9 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		487
	Value <*Val*>	[0..1]	Text		487

22.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

22.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

22.4.1.10 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 <TracbIt> contains the following elements (see "Traceability7" on page 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			490
	Acquirer <*Acqrr*>	[1..1]	±		490
	Sender <*Sndr*>	[0..1]	±		490
	Receiver <*Rcvr*>	[0..1]	±		491
	Acceptor <*Accptr*>	[0..1]	±		491
	Terminal <*Termnl*>	[0..1]	±		491
	Card <*Card*>	[1..1]	±		492
	Token <*Tkn*>	[0..1]	±		492
	Context <*Cntxt*>	[1..1]	±		492
	Transaction <*Tx*>	[1..1]			493
	TransactionType <*TxTp*>	[1..1]	Text		493
	TransactionSubType <*TxSubTp*>	[0..1]	Text		494
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		494
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		495
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		495
	TransactionIdentification <*TxId*>	[1..1]	±		495
	TransactionAmounts <*TxAmts*>	[1..1]	±		496
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		496
	AdditionalFees <*AddtlFees*>	[0..*]	±		497
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		497
	AccountFrom <*AcctFr*>	[0..1]	±		498
	AccountTo <*AcctTo*>	[0..1]	±		498
	TransactionDescription <*TxDesc*>	[0..1]	Text		498
	AdditionalData <*AddtlData*>	[0..*]			498
	Type <*Tp*>	[0..1]	Text		498
	Value <*Val*>	[0..1]	Text		499
	ProcessingResult <*PrcgRslt*>	[1..1]	±		499
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		499
	ProtectedData <*PrtctdData*>	[0..*]	±		499
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	502

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]	±		490
	Sender <*Sndr*>	[0..1]	±		490
	Receiver <*Rcvr*>	[0..1]	±		491
	Acceptor <*Accptr*>	[0..1]	±		491
	Terminal <*Termnl*>	[0..1]	±		491
	Card <*Card*>	[1..1]	±		492
	Token <*Tkn*>	[0..1]	±		492

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

22.4.2.1.5 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <TermnlI> contains the following elements (see "Terminal2" on page 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1015 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1016
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1016
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1016
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1016
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1017
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1017
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1017

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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		493
	TransactionSubType <*TxSubTp*>	[0..1]	Text		494
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		494
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		495
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		495
	TransactionIdentification <*TxId*>	[1..1]	±		495
	TransactionAmounts <*TxAmts*>	[1..1]	±		496
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		496
	AdditionalFees <*AddtlFees*>	[0..*]	±		497
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		497
	AccountFrom <*AcctFr*>	[0..1]	±		498
	AccountTo <*AcctTo*>	[0..1]	±		498
	TransactionDescription <*TxDesc*>	[0..1]	Text		498
	AdditionalData <*AddtlData*>	[0..*]			498
	Type <*Tp*>	[0..1]	Text		498
	Value <*Val*>	[0..1]	Text		499

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 1634

22.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1622

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 occurence 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 1640

22.4.2.3.5 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1393 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1394
	TimeZone <*TmZone*>	[0..1]	Text		1394
	TransactionReference <*TxRef*>	[0..1]	Text		1394
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1394
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1395
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1395
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1395
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1395
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1396
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1396
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1396
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1396
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1396

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 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 976 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		498
	Value <*Val*>	[0..1]	Text		499

22.4.2.3.14.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

22.4.2.3.14.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1519 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1520
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1520
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1520
	ResultData <*RsltData*>	[0..1]	±		1521
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1521
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1521
	Action <*Actn*>	[0..*]	±		1522
	AdditionalAction <*AddtlActn*>	[0..*]	±		1522
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1523

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 1635

22.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

23 DRAFT5cain.014.001.01 RetrievalFulfilmentInitiationV01

23.1 MessageDefinition Functionality

The RetrievaFulfilmentInitiation message is sent by an acquirer or agent to an issuer to support an issuer's retrieval request.

The RetrievaFulfilmentInitiation 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*> <*RtrvlFlfmtInitn*>	[1..1]			
	Header <*Hdr*>	[1..1]			507
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		507
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		507
	ExchangeIdentification <*XchgId*>	[0..1]	Text		507
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		508
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		508
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		508
	InitiatingParty <*InitgPty*>	[1..1]	±		508
	RecipientParty <*RcptPty*>	[0..1]	±		509
	TraceData <*TracData*>	[0..*]			509
	Type <*Tp*>	[0..1]	Text		509
	Value <*Val*>	[0..1]	Text		509
	Traceability <*Tracblt*>	[0..*]	±		509
	Body <*Body*>	[1..1]			510
	Environment <*Envt*>	[1..1]			512
	Acquirer <*Acqrr*>	[1..1]	±		512
	Sender <*Sndr*>	[0..1]	±		513
	Receiver <*Rcvr*>	[0..1]	±		513
	Acceptor <*Accptr*>	[0..1]	±		513
	Payer <*Pyer*>	[0..1]	±		514
	Payee <*Pyee*>	[0..1]	±		514
	Terminal <*Termnl*>	[0..1]	±		515
	Card <*Card*>	[1..1]	±		515
	Wallet <*Wllt*>	[0..1]	±		515
	Token <*Tkn*>	[0..1]	±		516
	Context <*Cntxt*>	[1..1]			516
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		516
	TransactionContext <*TxCntxt*>	[1..1]	±		517
	SaleContext <*SaleCntxt*>	[0..1]	±		518

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Transaction <*Tx*>	[0..1]			518
	MessageReason <*MsgRsn*>	[0..*]	Text		519
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		519
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		519
	TransactionIdentification <*TxId*>	[1..1]	±		520
	DisputeReference <*DsptRef*>	[0..*]	±		520
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		521
	AdditionalFees <*AddtlFees*>	[0..*]	±		521
	TransactionDescription <*TxDesc*>	[0..1]	Text		522
	AdditionalData <*AddtlData*>	[0..*]			522
	Type <*Tp*>	[0..1]	Text		522
	Value <*Val*>	[0..1]	Text		522
	OriginalTransaction <*OrgnlTx*>	[0..1]			522
	Environment <*Envt*>	[0..1]	±		522
	Context <*Cntxt*>	[0..1]	±		523
	Transaction <*Tx*>	[0..1]	±		524
	ProcessingResult <*PrcgRslt*>	[0..1]	±		524
	ProtectedData <*PrtctdData*>	[0..*]	±		525
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	528
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		528

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		507
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		507
	ExchangeIdentification <*XchgId*>	[0..1]	Text		507
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		508
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		508
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		508
	InitiatingParty <*InitgPty*>	[1..1]	±		508
	RecipientParty <*RcptPty*>	[0..1]	±		509
	TraceData <*TracData*>	[0..*]			509
	Type <*Tp*>	[0..1]	Text		509
	Value <*Val*>	[0..1]	Text		509
	Traceability <*Tracblt*>	[0..*]	±		509

23.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

23.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

23.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

23.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

23.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

23.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

23.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

23.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

23.4.1.9 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		509
	Value <*Val*>	[0..1]	Text		509

23.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

23.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

23.4.1.10 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 <TracbIt> contains the following elements (see "Traceability7" on page 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			512
	Acquirer <*Acqrr*>	[1..1]	±		512
	Sender <*Sndr*>	[0..1]	±		513
	Receiver <*Rcvr*>	[0..1]	±		513
	Acceptor <*Accptr*>	[0..1]	±		513
	Payer <*Pyer*>	[0..1]	±		514
	Payee <*Pyee*>	[0..1]	±		514
	Terminal <*Termnl*>	[0..1]	±		515
	Card <*Card*>	[1..1]	±		515
	Wallet <*Wllt*>	[0..1]	±		515
	Token <*Tkn*>	[0..1]	±		516
	Context <*Cntxt*>	[1..1]			516
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		516
	TransactionContext <*TxCntxt*>	[1..1]	±		517
	SaleContext <*SaleCntxt*>	[0..1]	±		518
	Transaction <*Tx*>	[0..1]			518
	MessageReason <*MsgRsn*>	[0..*]	Text		519
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		519
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		519
	TransactionIdentification <*TxId*>	[1..1]	±		520
	DisputeReference <*DsptRef*>	[0..*]	±		520
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		521
	AdditionalFees <*AddtlFees*>	[0..*]	±		521
	TransactionDescription <*TxDesc*>	[0..1]	Text		522
	AdditionalData <*AddtlData*>	[0..*]			522
	Type <*Tp*>	[0..1]	Text		522
	Value <*Val*>	[0..1]	Text		522
	OriginalTransaction <*OrgnlTx*>	[0..1]			522
	Environment <*Envt*>	[0..1]	±		522
	Context <*Cntxt*>	[0..1]	±		523
	Transaction <*Tx*>	[0..1]	±		524

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProcessingResult <*PrcgRslt*>	[0..1]	±		524
	ProtectedData <*PrtctdData*>	[0..*]	±		525
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	528

23.4.2.1 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]	±		512
	Sender <*Sndr*>	[0..1]	±		513
	Receiver <*Rcvr*>	[0..1]	±		513
	Acceptor <*Accptr*>	[0..1]	±		513
	Payer <*Pyer*>	[0..1]	±		514
	Payee <*Pyee*>	[0..1]	±		514
	Terminal <*Termnl*>	[0..1]	±		515
	Card <*Card*>	[1..1]	±		515
	Wallet <*Wllt*>	[0..1]	±		515
	Token <*Tkn*>	[0..1]	±		516

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

23.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1015 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1016
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1016
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1016
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1016
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1017
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1017
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1017

23.4.2.1.9 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		516
	TransactionContext <*TxCntxt*>	[1..1]	±		517
	SaleContext <*SaleCntxt*>	[0..1]	±		518

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 1360 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1360
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1361
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1361
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1361
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1362
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1362
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1362
	ECommerceData <*EComrcData*>	[0..*]			1362
	Type <*Tp*>	[1..1]	Text		1363
	Value <*Val*>	[1..1]	Text		1363
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1363
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1363
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1364
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1364
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1365
	CardDataEntryMode <*CardDataNtryMd*>	[0..1]	CodeSet		1365
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1366
	StorageLocation <*StorgLctn*>	[0..1]	Text		1366
	SpecialConditions <*SpclConds*>	[0..*]			1366
	Identification <*Id*>	[0..1]	Text		1366
	Value <*Val*>	[0..1]	Text		1366

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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 1121 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SaleIdentification <*SaleId*>	[0..1]	Text		1121
	SaleReferenceIdentification <*SaleRefId*>	[0..1]	Text		1122
	SaleReferenceNumber <*SaleRefNb*>	[0..1]	Text		1122
	GoodsAndServicesType <*GoodsAndSvcsTp*>	[0..1]	CodeSet		1122
	GoodAndServicesSubType <*GoodAndSvcsSubTp*>	[0..1]	CodeSet		1122
	GoodAndServicesOtherSubType <*GoodAndSvcsOthrSubTp*>	[0..1]	Text		1122
	SplitPaymentIndicator <*SpltPmtInd*>	[0..1]	Indicator		1122
	ReceiptRequestIndicator <*RctReqInd*>	[0..1]	Indicator		1123
	ReceiptType <*RctTp*>	[0..*]	CodeSet		1123
	ReceiptDestination <*RctDstn*>	[0..1]	Text		1123

23.4.2.3 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		519
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		519
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		519
	TransactionIdentification <*TxId*>	[1..1]	±		520
	DisputeReference <*DsptRef*>	[0..*]	±		520
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		521
	AdditionalFees <*AddtlFees*>	[0..*]	±		521
	TransactionDescription <*TxDesc*>	[0..1]	Text		522
	AdditionalData <*AddtlData*>	[0..*]			522
	Type <*Tp*>	[0..1]	Text		522
	Value <*Val*>	[0..1]	Text		522

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 1635

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 1640

23.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1405 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

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 1272 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AssignerEntity <*AssgnrNtty*>	[0..1]	CodeSet		1273
	OtherAssignerEntity <*OthrAssgnrNtty*>	[0..1]	Text		1273
	DisputeIdentification <*DsptId*>	[1..*]			1273
	Type <*Tp*>	[0..1]	Text		1273
	Identification <*Id*>	[1..1]	Text		1273

23.4.2.3.6 RetrievalFulfilmentInstructions <RtrvlFlfmtInstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

RetrievalFulfilmentInstructions <RtrvlFlfmtInstrs> contains the following elements (see "RetrievalFulfilmentInstructions1" on page 1292 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Method <*Mtd*>	[0..1]			1292
{Or	RequestedMethod <*ReqdMtd*>	[0..*]	Text		1293
Or	EstablishedMethod <*EstblishdMtd*>	[0..*]	Text		1293
Or}	ActualDeliveryMethod <*ActlDlvryMtd*>	[0..1]	Text		1293
	DeliveryInformation <*DlvryInf*>	[0..1]	±		1293
	AdditionalInformation <*AddtlInf*>	[0..1]	±		1293

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1635

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		522
	Value <*Val*>	[0..1]	Text		522

23.4.2.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

23.4.2.3.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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]	±		522
	Context <*Cntxt*>	[0..1]	±		523
	Transaction <*Tx*>	[0..1]	±		524
	ProcessingResult <*PrcgRslt*>	[0..1]	±		524

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 1237 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Acquirer <*Acqrr*>	[0..1]	±		1238
	Sender <*Sndr*>	[0..1]	±		1239
	Receiver <*Rcvr*>	[0..1]	±		1239
	Acceptor <*Accptr*>	[0..1]	±		1239
	Payer <*Pyer*>	[0..1]	±		1240
	Payee <*Pyee*>	[0..1]	±		1240
	Terminal <*Termnl*>	[0..1]			1241
	TerminalIdentification <*TermnlId*>	[0..1]	±		1241
	Capabilities <*Cpblties*>	[0..1]	±		1241
	CardholderVerificationCapability <*CrdhldrVrfctnCpblty*>	[0..*]	±		1242
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1242
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1243
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1243
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1243
	POIComponent <*POICmpnt*>	[0..*]	±		1244
	Card <*Card*>	[1..1]	±		1246
	CustomerDevice <*CstmrDvc*>	[0..1]	±		1246
	Wallet <*Wllt*>	[0..1]	±		1247
	Token <*Tkn*>	[0..1]	±		1247
	Cardholder <*Crdhldr*>	[0..1]	±		1247

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 1258 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		1259
	TransactionContext <*TxCntxt*>	[1..1]	±		1260
	Verification <*Vrfctn*>	[0..*]	±		1261
	RiskContext <*RskCntxt*>	[0..1]	±		1261
	SaleContext <*SaleCntxt*>	[0..1]	±		1262

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 1079 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionType <*TxTp*>	[0..1]	Text		1080
	TransactionSubType <*TxSubTp*>	[0..1]	Text		1080
	AdditionalService <*AddtlSvc*>	[0..*]	±		1081
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		1081
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		1082
	MessageReason <*MsgRsn*>	[0..*]	Text		1082
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		1082
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		1082
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		1082
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		1082
	TransactionIdentification <*TxId*>	[0..1]	±		1083
	DisputeData <*DsptData*>	[0..*]	±		1083
	TransactionAmounts <*TxAmts*>	[0..1]	±		1084
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		1084
	AdditionalFees <*AddtlFees*>	[0..*]	±		1085
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		1085
	DepositDetails <*DpstDtls*>	[0..*]	±		1086
	FundsServices <*FndsSvcs*>	[0..1]	±		1086
	AccountFrom <*AcctFr*>	[0..1]	±		1086
	AccountTo <*AcctTo*>	[0..1]	±		1086
	TransactionDescription <*TxDesc*>	[0..1]	Text		1087
	AdditionalData <*AddtlData*>	[0..*]			1087
	Type <*Tp*>	[0..1]	Text		1087
	Value <*Val*>	[0..1]	Text		1087

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 1519 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1520
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1520
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1520
	ResultData <*RsltData*>	[0..1]	±		1521
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1521
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1521
	Action <*Actn*>	[0..*]	±		1522
	AdditionalAction <*AddtlActn*>	[0..*]	±		1522
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1523

23.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

24 DRAFT5cain.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> <RtrvlFlfmtRspn>	[1..1]			
	Header <*Hdr*>	[1..1]			532
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		533
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		533
	ExchangeIdentification <*XchgId*>	[0..1]	Text		533
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		533
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		534
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		534
	InitiatingParty <*InitgPty*>	[1..1]	±		534
	RecipientParty <*RcptPty*>	[0..1]	±		534
	TraceData <*TracData*>	[0..*]			535
	Type <*Tp*>	[0..1]	Text		535
	Value <*Val*>	[0..1]	Text		535
	Traceability <*Tracblt*>	[0..*]	±		535
	Body <*Body*>	[1..1]			536
	Environment <*Envt*>	[1..1]			538
	Acquirer <*Acqrr*>	[1..1]	±		538
	Sender <*Sndr*>	[0..1]	±		538
	Receiver <*Rcvr*>	[0..1]	±		539
	Acceptor <*Accptr*>	[0..1]	±		539
	Payer <*Pyer*>	[0..1]	±		540
	Payee <*Pyee*>	[0..1]	±		540
	Terminal <*Termnl*>	[0..1]	±		541
	Card <*Card*>	[1..1]	±		541
	Wallet <*Wllt*>	[0..1]	±		541
	Token <*Tkn*>	[0..1]	±		542
	Context <*Cntxt*>	[1..1]			542
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		542
	TransactionContext <*TxCntxt*>	[1..1]	±		543
	SaleContext <*SaleCntxt*>	[0..1]	±		544

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Transaction <*Tx*>	[0..1]			544
	MessageReason <*MsgRsn*>	[0..*]	Text		545
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		545
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		545
	TransactionIdentification <*TxId*>	[1..1]	±		546
	DisputeReference <*DsptRef*>	[0..*]	±		546
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		547
	AdditionalFees <*AddtlFees*>	[0..*]	±		547
	TransactionDescription <*TxDesc*>	[0..1]	Text		548
	AdditionalData <*AddtlData*>	[0..*]			548
	Type <*Tp*>	[0..1]	Text		548
	Value <*Val*>	[0..1]	Text		548
	ProcessingResult <*PrcgRslt*>	[1..1]	±		548
	ProtectedData <*PrtctdData*>	[0..*]	±		549
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	552
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		552

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		533
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		533
	ExchangeIdentification <*XchgId*>	[0..1]	Text		533
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		533
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		534
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		534
	InitiatingParty <*InitgPty*>	[1..1]	±		534
	RecipientParty <*RcptPty*>	[0..1]	±		534
	TraceData <*TracData*>	[0..*]			535
	Type <*Tp*>	[0..1]	Text		535
	Value <*Val*>	[0..1]	Text		535
	Traceability <*Tracblt*>	[0..*]	±		535

24.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

24.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

24.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

24.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

24.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

24.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

24.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

24.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

24.4.1.9 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		535
	Value <*Val*>	[0..1]	Text		535

24.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

24.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

24.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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 **RetrievalFullfilmentResponse1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Environment <*Envt*>	[1..1]			538
	Acquirer <*Acqrr*>	[1..1]	±		538
	Sender <*Sndr*>	[0..1]	±		538
	Receiver <*Rcvr*>	[0..1]	±		539
	Acceptor <*Accptr*>	[0..1]	±		539
	Payer <*Pyer*>	[0..1]	±		540
	Payee <*Pyee*>	[0..1]	±		540
	Terminal <*Termnl*>	[0..1]	±		541
	Card <*Card*>	[1..1]	±		541
	Wallet <*Wllt*>	[0..1]	±		541
	Token <*Tkn*>	[0..1]	±		542
	Context <*Cntxt*>	[1..1]			542
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		542
	TransactionContext <*TxCntxt*>	[1..1]	±		543
	SaleContext <*SaleCntxt*>	[0..1]	±		544
	Transaction <*Tx*>	[0..1]			544
	MessageReason <*MsgRsn*>	[0..*]	Text		545
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		545
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		545
	TransactionIdentification <*TxId*>	[1..1]	±		546
	DisputeReference <*DsptRef*>	[0..*]	±		546
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		547
	AdditionalFees <*AddtlFees*>	[0..*]	±		547
	TransactionDescription <*TxDesc*>	[0..1]	Text		548
	AdditionalData <*AddtlData*>	[0..*]			548
	Type <*Tp*>	[0..1]	Text		548
	Value <*Val*>	[0..1]	Text		548
	ProcessingResult <*PrcgRslt*>	[1..1]	±		548
	ProtectedData <*PrtctdData*>	[0..*]	±		549
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	552

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]	±		538
	Sender <*Sndr*>	[0..1]	±		538
	Receiver <*Rcvr*>	[0..1]	±		539
	Acceptor <*Accptr*>	[0..1]	±		539
	Payer <*Pyer*>	[0..1]	±		540
	Payee <*Pyee*>	[0..1]	±		540
	Terminal <*Termnl*>	[0..1]	±		541
	Card <*Card*>	[1..1]	±		541
	Wallet <*Wllt*>	[0..1]	±		541
	Token <*Tkn*>	[0..1]	±		542

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

24.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1015 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1016
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1016
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1016
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1016
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1017
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1017
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1017

24.4.2.1.9 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		542
	TransactionContext <*TxCntxt*>	[1..1]	±		543
	SaleContext <*SaleCntxt*>	[0..1]	±		544

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 1360 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1360
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1361
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1361
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1361
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1362
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1362
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1362
	ECommerceData <*EComrcData*>	[0..*]			1362
	Type <*Tp*>	[1..1]	Text		1363
	Value <*Val*>	[1..1]	Text		1363
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1363
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1363
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1364
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1364
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1365
	CardDataEntryMode <*CardDataNtryMd*>	[0..1]	CodeSet		1365
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1366
	StorageLocation <*StorgLctn*>	[0..1]	Text		1366
	SpecialConditions <*SpclConds*>	[0..*]			1366
	Identification <*Id*>	[0..1]	Text		1366
	Value <*Val*>	[0..1]	Text		1366

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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 1121 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SaleIdentification <*SaleId*>	[0..1]	Text		1121
	SaleReferenceIdentification <*SaleRefId*>	[0..1]	Text		1122
	SaleReferenceNumber <*SaleRefNb*>	[0..1]	Text		1122
	GoodsAndServicesType <*GoodsAndSvcsTp*>	[0..1]	CodeSet		1122
	GoodAndServicesSubType <*GoodAndSvcsSubTp*>	[0..1]	CodeSet		1122
	GoodAndServicesOtherSubType <*GoodAndSvcsOthrSubTp*>	[0..1]	Text		1122
	SplitPaymentIndicator <*SpltPmtInd*>	[0..1]	Indicator		1122
	ReceiptRequestIndicator <*RctReqInd*>	[0..1]	Indicator		1123
	ReceiptType <*RctTp*>	[0..*]	CodeSet		1123
	ReceiptDestination <*RctDstn*>	[0..1]	Text		1123

24.4.2.3 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		545
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		545
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		545
	TransactionIdentification <*TxId*>	[1..1]	±		546
	DisputeReference <*DsptRef*>	[0..*]	±		546
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		547
	AdditionalFees <*AddtlFees*>	[0..*]	±		547
	TransactionDescription <*TxDesc*>	[0..1]	Text		548
	AdditionalData <*AddtlData*>	[0..*]			548
	Type <*Tp*>	[0..1]	Text		548
	Value <*Val*>	[0..1]	Text		548

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 1635

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 1640

24.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

24.4.2.3.4 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification11" on page 1405 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

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 1272 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AssignerEntity <*AssgnrNtty*>	[0..1]	CodeSet		1273
	OtherAssignerEntity <*OthrAssgnrNtty*>	[0..1]	Text		1273
	DisputeIdentification <*DsptId*>	[1..*]			1273
	Type <*Tp*>	[0..1]	Text		1273
	Identification <*Id*>	[1..1]	Text		1273

24.4.2.3.6 RetrievalFulfilmentInstructions <RtrvlFlfmtInstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

RetrievalFulfilmentInstructions <RtrvlFlfmtInstrs> contains the following elements (see "RetrievalFulfilmentInstructions1" on page 1292 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Method <*Mtd*>	[0..1]			1292
{Or	RequestedMethod <*ReqdMtd*>	[0..*]	Text		1293
Or	EstablishedMethod <*EstblishdMtd*>	[0..*]	Text		1293
Or}	ActualDeliveryMethod <*ActlDlvryMtd*>	[0..1]	Text		1293
	DeliveryInformation <*DlvryInf*>	[0..1]	±		1293
	AdditionalInformation <*AddtlInf*>	[0..1]	±		1293

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1635

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		548
	Value <*Val*>	[0..1]	Text		548

24.4.2.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

24.4.2.3.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1515 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

24.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

25 DRAFT5cain.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]			557
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		557
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		558
	ExchangeIdentification <*XchgId*>	[0..1]	Text		558
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		558
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		558
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		558
	InitiatingParty <*InitgPty*>	[1..1]	±		558
	RecipientParty <*RcptPty*>	[0..1]	±		559
	TraceData <*TracData*>	[0..*]			559
	Type <*Tp*>	[0..1]	Text		560
	Value <*Val*>	[0..1]	Text		560
	Traceability <*Tracblt*>	[0..*]	±		560
	Body <*Body*>	[1..1]			560
	Environment <*Envt*>	[1..1]			562
	Acquirer <*Acqrr*>	[1..1]	±		562
	Sender <*Sndr*>	[0..1]	±		563
	Receiver <*Rcvr*>	[0..1]	±		563
	Acceptor <*Accptr*>	[1..1]	±		564
	Terminal <*Termnl*>	[0..1]	±		564
	Card <*Card*>	[1..1]	±		565
	CustomerDevice <*CstmrDvc*>	[0..1]	±		566
	Wallet <*Wllt*>	[0..1]	±		566
	Token <*Tkn*>	[0..1]	±		567
	Cardholder <*Crdhldr*>	[0..1]	±		567
	Context <*Cntxt*>	[1..1]			567
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		568
	TransactionContext <*TxCntxt*>	[1..1]	±		569
	Verification <*Vrfctn*>	[0..*]	±		570

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskContext <*RskCntxt*>	[0..1]	±		570
	Transaction <*Tx*>	[1..1]			571
	TransactionType <*TxTp*>	[1..1]	Text		571
	TransactionSubType <*TxSubTp*>	[0..1]	Text		572
	AdditionalService <*AddtlSvc*>	[0..*]	±		572
	MessageReason <*MsgRsn*>	[0..*]	Text		572
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		572
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		572
	TransactionIdentification <*TxId*>	[1..1]	±		573
	TransactionCurrency <*TxCcy*>	[0..1]	CodeSet	C3	573
	DetailedAmount <*DtldAmt*>	[0..*]	±		573
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		574
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		574
	AdditionalFees <*AddtlFees*>	[0..*]	±		575
	AccountFrom <*AcctFr*>	[0..1]	±		575
	TransactionDescription <*TxDesc*>	[0..1]	Text		575
	AdditionalData <*AddtlData*>	[0..*]			575
	Type <*Tp*>	[0..1]	Text		576
	Value <*Val*>	[0..1]	Text		576
	ProcessingResult <*PrcgRslt*>	[0..1]	±		576
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		576
	ProtectedData <*PrtctdData*>	[0..*]	±		577
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	580
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		580

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		557
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		558
	ExchangeIdentification <*XchgId*>	[0..1]	Text		558
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		558
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		558
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		558
	InitiatingParty <*InitgPty*>	[1..1]	±		558
	RecipientParty <*RcptPty*>	[0..1]	±		559
	TraceData <*TracData*>	[0..*]			559
	Type <*Tp*>	[0..1]	Text		560
	Value <*Val*>	[0..1]	Text		560
	Traceability <*Tracblt*>	[0..*]	±		560

25.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

25.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

25.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

25.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

25.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

25.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

25.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

25.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

25.4.1.9 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		560
	Value <*Val*>	[0..1]	Text		560

25.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

25.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

25.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			562
	Acquirer <*Acqrr*>	[1..1]	±		562
	Sender <*Sndr*>	[0..1]	±		563
	Receiver <*Rcvr*>	[0..1]	±		563
	Acceptor <*Accptr*>	[1..1]	±		564
	Terminal <*Termnl*>	[0..1]	±		564
	Card <*Card*>	[1..1]	±		565
	CustomerDevice <*CstmrDvc*>	[0..1]	±		566
	Wallet <*Wllt*>	[0..1]	±		566
	Token <*Tkn*>	[0..1]	±		567
	Cardholder <*Crdhldr*>	[0..1]	±		567
	Context <*Cntxt*>	[1..1]			567
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		568
	TransactionContext <*TxCntxt*>	[1..1]	±		569
	Verification <*Vrfctn*>	[0..*]	±		570
	RiskContext <*RskCntxt*>	[0..1]	±		570
	Transaction <*Tx*>	[1..1]			571
	TransactionType <*TxTp*>	[1..1]	Text		571
	TransactionSubType <*TxSubTp*>	[0..1]	Text		572
	AdditionalService <*AddtlSvc*>	[0..*]	±		572
	MessageReason <*MsgRsn*>	[0..*]	Text		572
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		572
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		572
	TransactionIdentification <*TxId*>	[1..1]	±		573
	TransactionCurrency <*TxCcy*>	[0..1]	CodeSet	C3	573
	DetailedAmount <*DtldAmt*>	[0..*]	±		573
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		574
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		574
	AdditionalFees <*AddtlFees*>	[0..*]	±		575
	AccountFrom <*AcctFr*>	[0..1]	±		575
	TransactionDescription <*TxDesc*>	[0..1]	Text		575

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalData <*AddtlData*>	[0..*]			575
	Type <*Tp*>	[0..1]	Text		576
	Value <*Val*>	[0..1]	Text		576
	ProcessingResult <*PrcgRslt*>	[0..1]	±		576
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		576
	ProtectedData <*PrtctdData*>	[0..*]	±		577
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	580

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]	±		562
	Sender <*Sndr*>	[0..1]	±		563
	Receiver <*Rcvr*>	[0..1]	±		563
	Acceptor <*Accptr*>	[1..1]	±		564
	Terminal <*Termnl*>	[0..1]	±		564
	Card <*Card*>	[1..1]	±		565
	CustomerDevice <*CstmrDvc*>	[0..1]	±		566
	Wallet <*Wllt*>	[0..1]	±		566
	Token <*Tkn*>	[0..1]	±		567
	Cardholder <*Crdhldr*>	[0..1]	±		567

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376
	Type <*Tp*>	[0..1]	CodeSet		1377
	OtherType <*OthrTp*>	[0..1]	Text		1377
	Capabilities <*Cpblties*>	[0..1]	±		1377
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1378
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1378
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1379
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1379
	POIComponent <*POICmpnt*>	[0..*]	±		1379

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 1010 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[1..1]	Text		1010
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1011
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1011
	EffectiveDate <*FctvDt*>	[0..1]	Text		1011
	ExpiryDate <*XpryDt*>	[0..1]	Text		1011
	ServiceCode <*SvcCd*>	[0..1]	Text		1011
	Track1 <*Trck1*>	[0..1]	Text		1012
	Track2 <*Trck2*>	[0..1]			1012
{Or	TextValue <*TxtVal*>	[1..1]	Text		1012
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1012
	Track3 <*Trck3*>	[0..1]	Text		1013
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1013
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1013
	CardProductType <*CardPdctTp*>	[0..1]	Text		1013
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1013
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1013
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1014

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 1266 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Device <*Dvc*>	[0..1]	±		1267
	Identification <*Id*>	[0..1]	Text		1267
	Provider <*Prvdr*>	[0..1]	Text		1267

25.4.2.1.8 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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]	±		568
	TransactionContext <*TxCntxt*>	[1..1]	±		569
	Verification <*Vrfctn*>	[0..*]	±		570
	RiskContext <*RskCntxt*>	[0..1]	±		570

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1075 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[1..1]	Text		1075
	MerchantCategorySpecificData <*MrchntCtgySpcfcData*>	[0..1]	Text		1075
	CustomerConsent <*CstmrCnsnt*>	[0..1]	Indicator		1076
	ICCFallbackIndicator <*ICCFllbckInd*>	[0..1]	Indicator		1076
	MagneticStripeFallbackIndicator <*MgntcStrpFllbckInd*>	[0..1]	Indicator		1076
	LatePresentmentIndicator <*LatePresntmntInd*>	[0..1]	Indicator		1076
	FinalAuthorisationIndicator <*FnlAuthstnInd*>	[0..1]	Indicator		1077
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1077
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1077
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1077
	SettlementService <*SttlmSvc*>	[0..1]	±		1078
	Reconciliation <*Rcncltn*>	[0..1]	±		1079
	CaptureDate <*CaptrDt*>	[0..1]	Date		1079

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 1540 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1540
	OtherType <*OthrTp*>	[0..1]	Text		1543
	SubType <*SubTp*>	[0..1]	Text		1543
	VerificationInformation <*VrfctnInf*>	[0..*]	±		1543
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1543

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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		571
	TransactionSubType <*TxSubTp*>	[0..1]	Text		572
	AdditionalService <*AddtlSvc*>	[0..*]	±		572
	MessageReason <*MsgRsn*>	[0..*]	Text		572
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		572
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		572
	TransactionIdentification <*TxId*>	[1..1]	±		573
	TransactionCurrency <*TxCcy*>	[0..1]	CodeSet	C3	573
	DetailedAmount <*DtldAmt*>	[0..*]	±		573
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		574
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		574
	AdditionalFees <*AddtlFees*>	[0..*]	±		575
	AccountFrom <*AcctFr*>	[0..1]	±		575
	TransactionDescription <*TxDesc*>	[0..1]	Text		575
	AdditionalData <*AddtlData*>	[0..*]			575
	Type <*Tp*>	[0..1]	Text		576
	Value <*Val*>	[0..1]	Text		576

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 1634

25.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1265 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1265
	OtherType <*OthrTp*>	[0..1]	Text		1265

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 1635

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 1640

25.4.2.3.6 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1405 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

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 1593

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 <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 985 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		985
	OtherType <*OthrTp*>	[0..1]	Text		985
	Amount <*Amt*>	[1..1]	±		985
	Label <*Labl*>	[0..1]	Text		986

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 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

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 997 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		997
	OtherType <*OthrTp*>	[0..1]	Text		997
	Amount <*Amt*>	[1..1]	±		997
	Label <*Labl*>	[0..1]	Text		998

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		576
	Value <*Val*>	[0..1]	Text		576

25.4.2.3.15.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

25.4.2.3.15.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1512 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]	±		1513
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1513
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1514
	Action <*Actn*>	[0..*]	±		1514
	AdditionalAction <*AddtlActn*>	[0..*]	±		1514
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1515

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 1635

25.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

26 DRAFT5cain.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]			584
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		585
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		585
	ExchangeIdentification <*XchgId*>	[0..1]	Text		585
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		586
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		586
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		586
	InitiatingParty <*InitgPty*>	[1..1]	±		586
	RecipientParty <*RcptPty*>	[0..1]	±		586
	TraceData <*TracData*>	[0..*]			587
	Type <*Tp*>	[0..1]	Text		587
	Value <*Val*>	[0..1]	Text		587
	Traceability <*Tracblt*>	[0..*]	±		587
	Body <*Body*>	[1..1]			588
	Environment <*Envt*>	[1..1]			590
	Acquirer <*Acqrr*>	[1..1]	±		590
	Sender <*Sndr*>	[0..1]	±		590
	Receiver <*Rcvr*>	[0..1]	±		591
	Acceptor <*Accptr*>	[1..1]	±		591
	Terminal <*Termnl*>	[0..1]	±		592
	Card <*Card*>	[1..1]	±		592
	Wallet <*Wllt*>	[0..1]	±		593
	Token <*Tkn*>	[0..1]	±		593
	Context <*Cntxt*>	[1..1]			594
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		594
	TransactionContext <*TxCntxt*>	[0..1]	±		595
	Verification <*Vrfctn*>	[0..*]	±		596
	RiskContext <*RskCntxt*>	[0..1]	±		596
	Transaction <*Tx*>	[1..1]			596

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionType <*TxTp*>	[1..1]	Text		597
	TransactionSubType <*TxSubTp*>	[0..1]	Text		597
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		597
	TransactionIdentification <*TxId*>	[1..1]	±		598
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		598
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		599
	AdditionalFees <*AddtlFees*>	[0..*]	±		599
	AccountBalance <*AcctBal*>	[0..*]	±		600
	AccountStatementData <*AcctStmtData*>	[0..*]	±		600
	AccountFrom <*AcctFr*>	[0..1]	±		601
	TransactionDescription <*TxDesc*>	[0..1]	Text		601
	AdditionalData <*AddtlData*>	[0..*]			602
	Type <*Tp*>	[0..1]	Text		602
	Value <*Val*>	[0..1]	Text		602
	ProcessingResult <*PrcgRslt*>	[1..1]	±		602
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		602
	ProtectedData <*PrtctdData*>	[0..*]	±		603
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	606
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		606

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		585
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		585
	ExchangeIdentification <*XchgId*>	[0..1]	Text		585
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		586
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		586
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		586
	InitiatingParty <*InitgPty*>	[1..1]	±		586
	RecipientParty <*RcptPty*>	[0..1]	±		586
	TraceData <*TracData*>	[0..*]			587
	Type <*Tp*>	[0..1]	Text		587
	Value <*Val*>	[0..1]	Text		587
	Traceability <*Tracblt*>	[0..*]	±		587

26.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

26.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

26.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

26.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

26.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

26.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

26.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

26.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

26.4.1.9 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		587
	Value <*Val*>	[0..1]	Text		587

26.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

26.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

26.4.1.10 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 <TracbIt> contains the following elements (see "Traceability7" on page 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			590
	Acquirer <*Acqrr*>	[1..1]	±		590
	Sender <*Sndr*>	[0..1]	±		590
	Receiver <*Rcvr*>	[0..1]	±		591
	Acceptor <*Accptr*>	[1..1]	±		591
	Terminal <*Termnl*>	[0..1]	±		592
	Card <*Card*>	[1..1]	±		592
	Wallet <*Wllt*>	[0..1]	±		593
	Token <*Tkn*>	[0..1]	±		593
	Context <*Cntxt*>	[1..1]			594
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		594
	TransactionContext <*TxCntxt*>	[0..1]	±		595
	Verification <*Vrfctn*>	[0..*]	±		596
	RiskContext <*RskCntxt*>	[0..1]	±		596
	Transaction <*Tx*>	[1..1]			596
	TransactionType <*TxTp*>	[1..1]	Text		597
	TransactionSubType <*TxSubTp*>	[0..1]	Text		597
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		597
	TransactionIdentification <*TxId*>	[1..1]	±		598
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		598
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		599
	AdditionalFees <*AddtlFees*>	[0..*]	±		599
	AccountBalance <*AcctBal*>	[0..*]	±		600
	AccountStatementData <*AcctStmtData*>	[0..*]	±		600
	AccountFrom <*AcctFr*>	[0..1]	±		601
	TransactionDescription <*TxDesc*>	[0..1]	Text		601
	AdditionalData <*AddtlData*>	[0..*]			602
	Type <*Tp*>	[0..1]	Text		602
	Value <*Val*>	[0..1]	Text		602
	ProcessingResult <*PrcgRslt*>	[1..1]	±		602
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		602

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProtectedData <*PrtctdData*>	[0..*]	±		603
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	606

26.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment15** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Acquirer <*Acqrr*>	[1..1]	±		590
	Sender <*Sndr*>	[0..1]	±		590
	Receiver <*Rcvr*>	[0..1]	±		591
	Acceptor <*Accptr*>	[1..1]	±		591
	Terminal <*Termnl*>	[0..1]	±		592
	Card <*Card*>	[1..1]	±		592
	Wallet <*Wllt*>	[0..1]	±		593
	Token <*Tkn*>	[0..1]	±		593

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

26.4.2.1.4 Acceptor <Accptr>

Presence: [1..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1017 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1018
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1018
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1019
	EffectiveDate <*FctvDt*>	[0..1]	Text		1019
	ExpiryDate <*XpryDt*>	[0..1]	Text		1019
	Track3 <*Trck3*>	[0..1]	Text		1019
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1019
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1020
	PANFourLastDigits <*PANFourLastDgts*>	[0..1]	Text		1020
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1020
	CardCurrencyCode <*CardCcyCd*>	[0..1]	CodeSet	C2	1020
	CardProductType <*CardPdctTp*>	[0..1]	Text		1020
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1020
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1021
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1021

26.4.2.1.7 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		594
	TransactionContext <*TxCntxt*>	[0..1]	±		595
	Verification <*Vrfctn*>	[0..*]	±		596
	RiskContext <*RskCntxt*>	[0..1]	±		596

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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 1548 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1549
	OtherType <*OthrTp*>	[0..1]	Text		1551
	SubType <*SubTp*>	[0..1]	Text		1551
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1552
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1552

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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		597
	TransactionSubType <*TxSubTp*>	[0..1]	Text		597
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		597
	TransactionIdentification <*TxId*>	[1..1]	±		598
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		598
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		599
	AdditionalFees <*AddtlFees*>	[0..*]	±		599
	AccountBalance <*AcctBal*>	[0..*]	±		600
	AccountStatementData <*AcctStmtData*>	[0..*]	±		600
	AccountFrom <*AcctFr*>	[0..1]	±		601
	TransactionDescription <*TxDesc*>	[0..1]	Text		601
	AdditionalData <*AddtlData*>	[0..*]			602
	Type <*Tp*>	[0..1]	Text		602
	Value <*Val*>	[0..1]	Text		602

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 1634

26.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

26.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1405 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

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 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

26.4.2.3.6 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

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

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AdditionalAmounts <AddtlAmts> contains the following elements (see "AdditionalAmounts2" on page 997 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		997
	OtherType <*OthrTp*>	[0..1]	Text		997
	Amount <*Amt*>	[1..1]	±		997
	Label <*Labl*>	[0..1]	Text		998

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

26.4.2.3.8 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of an account.

AccountBalance <AcctBal> contains the following elements (see "AccountBalance1" on page 998 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountType <*AcctTp*>	[1..1]	Text		998
	Balance <*Bal*>	[0..*]			998
	Type <*Tp*>	[1..1]	CodeSet		999
	OtherType <*OthrTp*>	[0..1]	Text		999
	Amount <*Amt*>	[1..1]	Amount		999
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1000
	Sign <*Sgn*>	[0..1]	Indicator		1000
	CardholderCurrencyIndicator <*CrdhldrCcyInd*>	[0..1]	Indicator		1000
	BalanceDate <*BalDt*>	[0..1]	Date		1000

26.4.2.3.9 AccountStatementData <AcctStmtData>

Presence: [0..*]

Definition: Account information of a statement of account.

AccountStatementData <AcctStmtData> contains the following elements (see "AccountStatementData1" on page 1000 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	StatementDate <*StmtDt*>	[0..1]	Date		1001
	StatementTime <*StmtTm*>	[0..1]	Time		1001
	AccountStatement <*AcctStmt*>	[0..*]			1001
	TransactionDate <*TxDt*>	[1..1]	Date		1002
	PendingIndicator <*PdgInd*>	[0..1]	Indicator		1002
	TransactionPostingDate <*TxPstngDt*>	[0..1]	Date		1002
	TransactionAmount <*TxAmt*>	[0..1]			1003
	Amount <*Amt*>	[1..1]	Amount		1003
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1003
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]			1003
	Amount <*Amt*>	[1..1]	Amount		1003
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1004
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1004
	AcceptorNameAndLocation <*AccptrNmAndLctn*>	[0..1]	Text		1004
	ShortTransactionDescription <*ShrtTxDesc*>	[0..1]	Text		1004
	LongTransactionDescription <*LngTxDesc*>	[0..1]	Text		1004

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		602
	Value <*Val*>	[0..1]	Text		602

26.4.2.3.12.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

26.4.2.3.12.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1512 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]	±		1513
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1513
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1514
	Action <*Actn*>	[0..*]	±		1514
	AdditionalAction <*AddtlActn*>	[0..*]	±		1514
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1515

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 1635

26.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

27 DRAFT5cain.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]			611
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		611
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		612
	ExchangeIdentification <*XchgId*>	[0..1]	Text		612
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		612
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		612
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		612
	InitiatingParty <*InitgPty*>	[1..1]	±		613
	RecipientParty <*RcptPty*>	[0..1]	±		613
	TraceData <*TracData*>	[0..*]			613
	Type <*Tp*>	[0..1]	Text		614
	Value <*Val*>	[0..1]	Text		614
	Traceability <*Tracblt*>	[0..*]	±		614
	Body <*Body*>	[1..1]			614
	Environment <*Envt*>	[1..1]			616
	Acquirer <*Acqrr*>	[1..1]	±		617
	Sender <*Sndr*>	[0..1]	±		617
	Receiver <*Rcvr*>	[0..1]	±		617
	Acceptor <*Accptr*>	[0..1]	±		618
	Payer <*Pyer*>	[0..1]	±		619
	Payee <*Pyee*>	[0..1]	±		619
	Terminal <*Termnl*>	[0..1]	±		619
	Card <*Card*>	[1..1]	±		620
	CustomerDevice <*CstmrDvc*>	[0..1]	±		620
	Wallet <*Wllt*>	[0..1]	±		621
	Token <*Tkn*>	[0..1]	±		621
	Cardholder <*Crdhldr*>	[0..1]	±		621
	Context <*Cntxt*>	[1..1]			621
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		622

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionContext <*TxCntxt*>	[1..1]	±		623
	Verification <*Vrfctn*>	[0..*]	±		624
	RiskContext <*RskCntxt*>	[0..1]	±		624
	Transaction <*Tx*>	[1..1]			625
	TransactionType <*TxTp*>	[1..1]	Text		626
	TransactionSubType <*TxSubTp*>	[0..1]	Text		626
	AdditionalService <*AddtlSvc*>	[0..*]	±		626
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		626
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		627
	MessageReason <*MsgRsn*>	[0..*]	CodeSet		627
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		628
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		628
	TransactionIdentification <*TxId*>	[1..1]	±		628
	TransactionCurrency <*TxCcy*>	[0..1]	CodeSet	C3	629
	DetailedAmount <*DtldAmt*>	[0..*]	±		629
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		630
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		630
	AdditionalFees <*AddtlFees*>	[0..*]	±		631
	FundsServices <*FndsSvcs*>	[0..1]	±		631
	AccountFrom <*AcctFr*>	[0..1]	±		631
	AccountTo <*AcctTo*>	[0..1]	±		631
	TransactionDescription <*TxDesc*>	[0..1]	Text		632
	AdditionalData <*AddtlData*>	[0..*]			632
	Type <*Tp*>	[0..1]	Text		632
	Value <*Val*>	[0..1]	Text		632
	ProcessingResult <*PrcgRslt*>	[0..1]	±		632
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		633
	ProtectedData <*PrtctdData*>	[0..*]	±		633
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	636
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		636

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		611
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		612
	ExchangeIdentification <*XchgId*>	[0..1]	Text		612
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		612
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		612
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		612
	InitiatingParty <*InitgPty*>	[1..1]	±		613
	RecipientParty <*RcptPty*>	[0..1]	±		613
	TraceData <*TracData*>	[0..*]			613
	Type <*Tp*>	[0..1]	Text		614
	Value <*Val*>	[0..1]	Text		614
	Traceability <*Tracblt*>	[0..*]	±		614

27.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

27.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

27.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

27.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

27.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

27.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

27.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

27.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

27.4.1.9 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		614
	Value <*Val*>	[0..1]	Text		614

27.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

27.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

27.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			616
	Acquirer <*Acqrr*>	[1..1]	±		617
	Sender <*Sndr*>	[0..1]	±		617
	Receiver <*Rcvr*>	[0..1]	±		617
	Acceptor <*Accptr*>	[0..1]	±		618
	Payer <*Pyer*>	[0..1]	±		619
	Payee <*Pyee*>	[0..1]	±		619
	Terminal <*Termnl*>	[0..1]	±		619
	Card <*Card*>	[1..1]	±		620
	CustomerDevice <*CstmrDvc*>	[0..1]	±		620
	Wallet <*Wllt*>	[0..1]	±		621
	Token <*Tkn*>	[0..1]	±		621
	Cardholder <*Crdhldr*>	[0..1]	±		621
	Context <*Cntxt*>	[1..1]			621
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		622
	TransactionContext <*TxCntxt*>	[1..1]	±		623
	Verification <*Vrfctn*>	[0..*]	±		624
	RiskContext <*RskCntxt*>	[0..1]	±		624
	Transaction <*Tx*>	[1..1]			625
	TransactionType <*TxTp*>	[1..1]	Text		626
	TransactionSubType <*TxSubTp*>	[0..1]	Text		626
	AdditionalService <*AddtlSvc*>	[0..*]	±		626
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		626
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		627
	MessageReason <*MsgRsn*>	[0..*]	CodeSet		627
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		628
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		628
	TransactionIdentification <*TxId*>	[1..1]	±		628
	TransactionCurrency <*TxCcy*>	[0..1]	CodeSet	C3	629
	DetailedAmount <*DtldAmt*>	[0..*]	±		629
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		630

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		630
	AdditionalFees <*AddtlFees*>	[0..*]	±		631
	FundsServices <*FndsSvcs*>	[0..1]	±		631
	AccountFrom <*AcctFr*>	[0..1]	±		631
	AccountTo <*AcctTo*>	[0..1]	±		631
	TransactionDescription <*TxDesc*>	[0..1]	Text		632
	AdditionalData <*AddtlData*>	[0..*]			632
	Type <*Tp*>	[0..1]	Text		632
	Value <*Val*>	[0..1]	Text		632
	ProcessingResult <*PrcgRslt*>	[0..1]	±		632
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		633
	ProtectedData <*PrtctdData*>	[0..*]	±		633
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	636

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]	±		617
	Sender <*Sndr*>	[0..1]	±		617
	Receiver <*Rcvr*>	[0..1]	±		617
	Acceptor <*Accptr*>	[0..1]	±		618
	Payer <*Pyer*>	[0..1]	±		619
	Payee <*Pyee*>	[0..1]	±		619
	Terminal <*Termnl*>	[0..1]	±		619
	Card <*Card*>	[1..1]	±		620
	CustomerDevice <*CstmrDvc*>	[0..1]	±		620
	Wallet <*Wllt*>	[0..1]	±		621
	Token <*Tkn*>	[0..1]	±		621
	Cardholder <*Crdhldr*>	[0..1]	±		621

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

27.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376
	Type <*Tp*>	[0..1]	CodeSet		1377
	OtherType <*OthrTp*>	[0..1]	Text		1377
	Capabilities <*Cpblties*>	[0..1]	±		1377
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1378
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1378
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1379
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1379
	POIComponent <*POICmpnt*>	[0..*]	±		1379

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 1010 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[1..1]	Text		1010
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1011
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1011
	EffectiveDate <*FctvDt*>	[0..1]	Text		1011
	ExpiryDate <*XpryDt*>	[0..1]	Text		1011
	ServiceCode <*SvcCd*>	[0..1]	Text		1011
	Track1 <*Trck1*>	[0..1]	Text		1012
	Track2 <*Trck2*>	[0..1]			1012
{Or	TextValue <*TxtVal*>	[1..1]	Text		1012
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1012
	Track3 <*Trck3*>	[0..1]	Text		1013
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1013
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1013
	CardProductType <*CardPdctTp*>	[0..1]	Text		1013
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1013
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1013
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1014

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 1266 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Device <*Dvc*>	[0..1]	±		1267
	Identification <*Id*>	[0..1]	Text		1267
	Provider <*Prvdr*>	[0..1]	Text		1267

27.4.2.1.10 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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]	±		622
	TransactionContext <*TxCntxt*>	[1..1]	±		623
	Verification <*Vrfctn*>	[0..*]	±		624
	RiskContext <*RskCntxt*>	[0..1]	±		624

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1075 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[1..1]	Text		1075
	MerchantCategorySpecificData <*MrchntCtgySpcfcData*>	[0..1]	Text		1075
	CustomerConsent <*CstmrCnsnt*>	[0..1]	Indicator		1076
	ICCFallbackIndicator <*ICCFllbckInd*>	[0..1]	Indicator		1076
	MagneticStripeFallbackIndicator <*MgntcStrpFllbckInd*>	[0..1]	Indicator		1076
	LatePresentmentIndicator <*LatePresntmntInd*>	[0..1]	Indicator		1076
	FinalAuthorisationIndicator <*FnlAuthstnInd*>	[0..1]	Indicator		1077
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1077
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1077
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1077
	SettlementService <*SttlmSvc*>	[0..1]	±		1078
	Reconciliation <*Rcncltn*>	[0..1]	±		1079
	CaptureDate <*CaptrDt*>	[0..1]	Date		1079

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 1540 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1540
	OtherType <*OthrTp*>	[0..1]	Text		1543
	SubType <*SubTp*>	[0..1]	Text		1543
	VerificationInformation <*VrfctnInf*>	[0..*]	±		1543
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1543

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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		626
	TransactionSubType <*TxSubTp*>	[0..1]	Text		626
	AdditionalService <*AddtlSvc*>	[0..*]	±		626
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		626
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		627
	MessageReason <*MsgRsn*>	[0..*]	CodeSet		627
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		628
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		628
	TransactionIdentification <*TxId*>	[1..1]	±		628
	TransactionCurrency <*TxCcy*>	[0..1]	CodeSet	C3	629
	DetailedAmount <*DtldAmt*>	[0..*]	±		629
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		630
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		630
	AdditionalFees <*AddtlFees*>	[0..*]	±		631
	FundsServices <*FndsSvcs*>	[0..1]	±		631
	AccountFrom <*AcctFr*>	[0..1]	±		631
	AccountTo <*AcctTo*>	[0..1]	±		631
	TransactionDescription <*TxDesc*>	[0..1]	Text		632
	AdditionalData <*AddtlData*>	[0..*]			632
	Type <*Tp*>	[0..1]	Text		632
	Value <*Val*>	[0..1]	Text		632

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 1634

27.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1265 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1265
	OtherType <*OthrTp*>	[0..1]	Text		1265

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 1622

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 occurence 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 1640

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 1602

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 1640

27.4.2.3.8 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

27.4.2.3.9 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification11" on page 1405 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

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 1593

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 985 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		985
	OtherType <*OthrTp*>	[0..1]	Text		985
	Amount <*Amt*>	[1..1]	±		985
	Label <*Labl*>	[0..1]	Text		986

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 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

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 997 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		997
	OtherType <*OthrTp*>	[0..1]	Text		997
	Amount <*Amt*>	[1..1]	±		997
	Label <*Labl*>	[0..1]	Text		998

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1414 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FundingService <*FndgSvc*>	[0..1]	±		1414
	FundingSource <*FndgSrc*>	[0..1]	±		1414
	ClaimInformation <*ClmInf*>	[0..1]	±		1414

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		632
	Value <*Val*>	[0..1]	Text		632

27.4.2.3.19.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

27.4.2.3.19.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1508 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1508
	Result <*Rslt*>	[0..1]	CodeSet		1509
	OtherResult <*OthrRslt*>	[0..1]	Text		1509
	ResultDetails <*RsltDtls*>	[1..1]	Text		1509
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1510
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1510
	Type <*Tp*>	[0..1]	Text		1510
	Value <*Val*>	[0..1]	Text		1510
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1510
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1511
	Action <*Actn*>	[0..*]	±		1511
	AdditionalAction <*AddtlActn*>	[0..*]	±		1511
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1512

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 1635

27.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

28 DRAFT5cain.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]			640
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		641
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		641
	ExchangeIdentification <*XchgId*>	[0..1]	Text		641
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		642
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		642
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		642
	InitiatingParty <*InitgPty*>	[1..1]	±		642
	RecipientParty <*RcptPty*>	[0..1]	±		642
	TraceData <*TracData*>	[0..*]			643
	Type <*Tp*>	[0..1]	Text		643
	Value <*Val*>	[0..1]	Text		643
	Traceability <*Tracblt*>	[0..*]	±		643
	Body <*Body*>	[1..1]			644
	Environment <*Envt*>	[1..1]			646
	Acquirer <*Acqrr*>	[1..1]	±		646
	Sender <*Sndr*>	[0..1]	±		646
	Receiver <*Rcvr*>	[0..1]	±		647
	Acceptor <*Accptr*>	[0..1]	±		647
	Terminal <*Termnl*>	[0..1]	±		647
	Card <*Card*>	[0..1]	±		648
	Wallet <*Wllt*>	[0..1]	±		648
	Token <*Tkn*>	[0..1]	±		649
	Context <*Cntxt*>	[1..1]			649
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		649
	TransactionContext <*TxCntxt*>	[0..1]	±		650
	Verification <*Vrfctn*>	[0..*]	±		651
	RiskContext <*RskCntxt*>	[0..1]	±		651
	Transaction <*Tx*>	[1..1]			651

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionType <*TxTp*>	[1..1]	Text		652
	TransactionSubType <*TxSubTp*>	[0..1]	Text		652
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		652
	TransactionIdentification <*TxId*>	[1..1]	±		653
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		653
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		654
	AdditionalFees <*AddtlFees*>	[0..*]	±		654
	AccountBalance <*AcctBal*>	[0..*]	±		655
	AccountFrom <*AcctFr*>	[0..1]	±		655
	TransactionDescription <*TxDesc*>	[0..1]	Text		655
	AdditionalData <*AddtlData*>	[0..*]			655
	Type <*Tp*>	[0..1]	Text		656
	Value <*Val*>	[0..1]	Text		656
	ProcessingResult <*PrcgRslt*>	[1..1]	±		656
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		657
	ProtectedData <*PrtctdData*>	[0..*]	±		657
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	660
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		660

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		641
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		641
	ExchangeIdentification <*XchgId*>	[0..1]	Text		641
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		642
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		642
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		642
	InitiatingParty <*InitgPty*>	[1..1]	±		642
	RecipientParty <*RcptPty*>	[0..1]	±		642
	TraceData <*TracData*>	[0..*]			643
	Type <*Tp*>	[0..1]	Text		643
	Value <*Val*>	[0..1]	Text		643
	Traceability <*Tracblt*>	[0..*]	±		643

28.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

28.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

28.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

28.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

28.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

28.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

28.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

28.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

28.4.1.9 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		643
	Value <*Val*>	[0..1]	Text		643

28.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

28.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

28.4.1.10 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 <TracbIt> contains the following elements (see "Traceability7" on page 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			646
	Acquirer <*Acqrr*>	[1..1]	±		646
	Sender <*Sndr*>	[0..1]	±		646
	Receiver <*Rcvr*>	[0..1]	±		647
	Acceptor <*Accptr*>	[0..1]	±		647
	Terminal <*Termnl*>	[0..1]	±		647
	Card <*Card*>	[0..1]	±		648
	Wallet <*Wllt*>	[0..1]	±		648
	Token <*Tkn*>	[0..1]	±		649
	Context <*Cntxt*>	[1..1]			649
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		649
	TransactionContext <*TxCntxt*>	[0..1]	±		650
	Verification <*Vrfctn*>	[0..*]	±		651
	RiskContext <*RskCntxt*>	[0..1]	±		651
	Transaction <*Tx*>	[1..1]			651
	TransactionType <*TxTp*>	[1..1]	Text		652
	TransactionSubType <*TxSubTp*>	[0..1]	Text		652
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		652
	TransactionIdentification <*TxId*>	[1..1]	±		653
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		653
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		654
	AdditionalFees <*AddtlFees*>	[0..*]	±		654
	AccountBalance <*AcctBal*>	[0..*]	±		655
	AccountFrom <*AcctFr*>	[0..1]	±		655
	TransactionDescription <*TxDesc*>	[0..1]	Text		655
	AdditionalData <*AddtlData*>	[0..*]			655
	Type <*Tp*>	[0..1]	Text		656
	Value <*Val*>	[0..1]	Text		656
	ProcessingResult <*PrcgRslt*>	[1..1]	±		656
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		657
	ProtectedData <*PrtctdData*>	[0..*]	±		657

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	660

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]	±		646
	Sender <*Sndr*>	[0..1]	±		646
	Receiver <*Rcvr*>	[0..1]	±		647
	Acceptor <*Accptr*>	[0..1]	±		647
	Terminal <*Termnl*>	[0..1]	±		647
	Card <*Card*>	[0..1]	±		648
	Wallet <*Wllt*>	[0..1]	±		648
	Token <*Tkn*>	[0..1]	±		649

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

28.4.2.1.5 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <TermnlI> contains the following elements (see "Terminal2" on page 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1017 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1018
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1018
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1019
	EffectiveDate <*FctvDt*>	[0..1]	Text		1019
	ExpiryDate <*XpryDt*>	[0..1]	Text		1019
	Track3 <*Trck3*>	[0..1]	Text		1019
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1019
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1020
	PANFourLastDigits <*PANFourLastDgts*>	[0..1]	Text		1020
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1020
	CardCurrencyCode <*CardCcyCd*>	[0..1]	CodeSet	C2	1020
	CardProductType <*CardPdctTp*>	[0..1]	Text		1020
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1020
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1021
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1021

28.4.2.1.7 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		649
	TransactionContext <*TxCntxt*>	[0..1]	±		650
	Verification <*Vrfctn*>	[0..*]	±		651
	RiskContext <*RskCntxt*>	[0..1]	±		651

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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 1548 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1549
	OtherType <*OthrTp*>	[0..1]	Text		1551
	SubType <*SubTp*>	[0..1]	Text		1551
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1552
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1552

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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		652
	TransactionSubType <*TxSubTp*>	[0..1]	Text		652
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		652
	TransactionIdentification <*TxId*>	[1..1]	±		653
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		653
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		654
	AdditionalFees <*AddtlFees*>	[0..*]	±		654
	AccountBalance <*AcctBal*>	[0..*]	±		655
	AccountFrom <*AcctFr*>	[0..1]	±		655
	TransactionDescription <*TxDesc*>	[0..1]	Text		655
	AdditionalData <*AddtlData*>	[0..*]			655
	Type <*Tp*>	[0..1]	Text		656
	Value <*Val*>	[0..1]	Text		656

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 1634

28.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

28.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1405 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

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 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

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 997 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		997
	OtherType <*OthrTp*>	[0..1]	Text		997
	Amount <*Amt*>	[1..1]	±		997
	Label <*Labl*>	[0..1]	Text		998

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

28.4.2.3.8 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of an account.

AccountBalance <AcctBal> contains the following elements (see "AccountBalance1" on page 998 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountType <*AcctTp*>	[1..1]	Text		998
	Balance <*Bal*>	[0..*]			998
	Type <*Tp*>	[1..1]	CodeSet		999
	OtherType <*OthrTp*>	[0..1]	Text		999
	Amount <*Amt*>	[1..1]	Amount		999
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1000
	Sign <*Sgn*>	[0..1]	Indicator		1000
	CardholderCurrencyIndicator <*CrdhldrCcyInd*>	[0..1]	Indicator		1000
	BalanceDate <*BalDt*>	[0..1]	Date		1000

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		656
	Value <*Val*>	[0..1]	Text		656

28.4.2.3.11.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

28.4.2.3.11.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1508 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1508
	Result <*Rslt*>	[0..1]	CodeSet		1509
	OtherResult <*OthrRslt*>	[0..1]	Text		1509
	ResultDetails <*RsltDtls*>	[1..1]	Text		1509
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1510
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1510
	Type <*Tp*>	[0..1]	Text		1510
	Value <*Val*>	[0..1]	Text		1510
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1510
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1511
	Action <*Actn*>	[0..*]	±		1511
	AdditionalAction <*AddtlActn*>	[0..*]	±		1511
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1512

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 1635

28.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

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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]			664
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		665
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		665
	ExchangeIdentification <*XchgId*>	[0..1]	Text		665
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		665
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		665
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		665
	InitiatingParty <*InitgPty*>	[1..1]	±		666
	RecipientParty <*RcptPty*>	[0..1]	±		666
	TraceData <*TracData*>	[0..*]			666
	Type <*Tp*>	[0..1]	Text		667
	Value <*Val*>	[0..1]	Text		667
	Traceability <*Tracblt*>	[0..*]	±		667
	Body <*Body*>	[1..1]			667
	Environment <*Envt*>	[1..1]			668
	Originator <*Orgtr*>	[0..1]	±		668
	Sender <*Sndr*>	[0..1]	±		669
	Receiver <*Rcvr*>	[0..1]	±		669
	Destination <*Dstn*>	[0..1]	±		669
	Context <*Cntxt*>	[0..1]			670
	TransactionContext <*TxCntxt*>	[0..1]			670
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		670
	SettlementService <*SttlmSvc*>	[0..1]	±		671
	Transaction <*Tx*>	[1..1]			671
	AmendedData <*AmddData*>	[1..*]	±		672
	TransactionIdentification <*TxId*>	[1..1]	±		672
	OriginalMessage <*OrgnlMsg*>	[0..1]	Binary		673
	MessageAmended <*MsgAmdd*>	[0..1]	Binary		673
	AdditionalData <*AddtlData*>	[0..*]			673

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		673
	Value <*Val*>	[0..1]	Text		674
	ProtectedData <*PrtctdData*>	[0..*]	±		674
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	677
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		677

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 **Header46** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		665
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		665
	ExchangeIdentification <*XchgId*>	[0..1]	Text		665
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		665
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		665
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		665
	InitiatingParty <*InitgPty*>	[1..1]	±		666
	RecipientParty <*RcptPty*>	[0..1]	±		666
	TraceData <*TracData*>	[0..*]			666
	Type <*Tp*>	[0..1]	Text		667
	Value <*Val*>	[0..1]	Text		667
	Traceability <*Tracblt*>	[0..*]	±		667

29.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction27Code" on page 1601

CodeName	Name	Definition
NOTI	Notification	Information about the transaction.

29.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

29.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

29.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

29.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

29.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

29.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

29.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

29.4.1.9 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		667
	Value <*Val*>	[0..1]	Text		667

29.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

29.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

29.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			668
	Originator <*Orgtr*>	[0..1]	±		668
	Sender <*Sndr*>	[0..1]	±		669
	Receiver <*Rcvr*>	[0..1]	±		669
	Destination <*Dstn*>	[0..1]	±		669
	Context <*Cntxt*>	[0..1]			670
	TransactionContext <*TxCntxt*>	[0..1]			670
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		670
	SettlementService <*SttlmSvc*>	[0..1]	±		671
	Transaction <*Tx*>	[1..1]			671
	AmendedData <*AmddData*>	[1..*]	±		672
	TransactionIdentification <*TxId*>	[1..1]	±		672
	OriginalMessage <*OrgnlMsg*>	[0..1]	Binary		673
	MessageAmended <*MsgAmdd*>	[0..1]	Binary		673
	AdditionalData <*AddtlData*>	[0..*]			673
	Type <*Tp*>	[0..1]	Text		673
	Value <*Val*>	[0..1]	Text		674
	ProtectedData <*PrtctdData*>	[0..*]	±		674
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	677

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]	±		668
	Sender <*Sndr*>	[0..1]	±		669
	Receiver <*Rcvr*>	[0..1]	±		669
	Destination <*Dstn*>	[0..1]	±		669

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]			670
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		670
	SettlementService <*SttlmSvc*>	[0..1]	±		671

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]	±		670
	SettlementService <*SttlmSvc*>	[0..1]	±		671

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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 1498 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <*SttlmSvcApId*>	[0..1]			1499
	Type <*Tp*>	[0..1]	Text		1499
	Identification <*Id*>	[0..1]	Text		1499
	ShortName <*ShrtNm*>	[0..1]	Text		1500
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1500
	SettlementServiceDates <*SttlmSvcDts*>	[0..1]			1500
	RequestedSettlementDate <*ReqdSttlmDt*>	[0..1]	Date		1500
	SettlementDate <*SttlmDt*>	[0..1]	Date		1500
	SettlementTime <*SttlmTm*>	[0..1]	Time		1501
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1501
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1501
	SettlementReportingEntity <*SttlmRptgNtty*>	[0..1]			1501
	Type <*Tp*>	[0..1]	Text		1501
	Identification <*Id*>	[0..1]	Text		1501

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..*]	±		672
	TransactionIdentification <*TxId*>	[1..1]	±		672
	OriginalMessage <*OrgnlMsg*>	[0..1]	Binary		673
	MessageAmended <*MsgAmdd*>	[0..1]	Binary		673
	AdditionalData <*AddtlData*>	[0..*]			673
	Type <*Tp*>	[0..1]	Text		673
	Value <*Val*>	[0..1]	Text		674

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 1294 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	Text		1294
	Description <*Desc*>	[1..1]	Text		1294
	Value <*Val*>	[0..1]	Text		1294

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 1408 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

29.4.2.3.3 OriginalMessage <OrgnlMsg>

Presence: [0..1]

Definition: Original message before correction/amendment.

Datatype: "Max100KBinary" on page 1553

29.4.2.3.4 MessageAmended <MsgAmdd>

Presence: [0..1]

Definition: Message amended.

Datatype: "Max100KBinary" on page 1553

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		673
	Value <*Val*>	[0..1]	Text		674

29.4.2.3.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

29.4.2.3.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

29.4.2.4 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

30 DRAFT5cain.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> <RtrvlInitn>	[1..1]			
	Header <*Hdr*>	[1..1]			682
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		682
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		683
	ExchangeIdentification <*XchgId*>	[0..1]	Text		683
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		683
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		683
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		683
	InitiatingParty <*InitgPty*>	[1..1]	±		683
	RecipientParty <*RcptPty*>	[0..1]	±		684
	TraceData <*TracData*>	[0..*]			684
	Type <*Tp*>	[0..1]	Text		685
	Value <*Val*>	[0..1]	Text		685
	Traceability <*Tracblt*>	[0..*]	±		685
	Body <*Body*>	[1..1]			685
	Environment <*Envt*>	[1..1]			687
	Acquirer <*Acqrr*>	[1..1]	±		687
	Sender <*Sndr*>	[0..1]	±		688
	Receiver <*Rcvr*>	[0..1]	±		688
	Acceptor <*Accptr*>	[0..1]	±		689
	Payer <*Pyer*>	[0..1]	±		689
	Payee <*Pyee*>	[0..1]	±		689
	Terminal <*Termnl*>	[0..1]	±		690
	Card <*Card*>	[1..1]	±		690
	Wallet <*Wllt*>	[0..1]	±		690
	Token <*Tkn*>	[0..1]	±		691
	Context <*Cntxt*>	[1..1]			691
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		691
	TransactionContext <*TxCntxt*>	[1..1]	±		692
	SaleContext <*SaleCntxt*>	[0..1]	±		693

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Transaction <*Tx*>	[0..1]			693
	MessageReason <*MsgRsn*>	[0..*]	Text		694
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		694
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		694
	TransactionIdentification <*TxId*>	[1..1]	±		695
	DisputeReference <*DsptRef*>	[0..*]	±		695
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		696
	AdditionalFees <*AddtlFees*>	[0..*]	±		696
	TransactionDescription <*TxDesc*>	[0..1]	Text		697
	AdditionalData <*AddtlData*>	[0..*]			697
	Type <*Tp*>	[0..1]	Text		697
	Value <*Val*>	[0..1]	Text		697
	OriginalTransaction <*OrgnlTx*>	[1..1]			697
	Environment <*Envt*>	[0..1]	±		697
	Context <*Cntxt*>	[0..1]	±		698
	Transaction <*Tx*>	[0..1]	±		699
	ProcessingResult <*PrcgRslt*>	[0..1]	±		699
	ProtectedData <*PrtctdData*>	[0..*]	±		700
	RetrievalFulfilmentDestination <*RtrvlFlfmtDstn*>	[0..1]	±		703
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	703
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		704

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 **Header55** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		682
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		683
	ExchangeIdentification <*XchgId*>	[0..1]	Text		683
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		683
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		683
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		683
	InitiatingParty <*InitgPty*>	[1..1]	±		683
	RecipientParty <*RcptPty*>	[0..1]	±		684
	TraceData <*TracData*>	[0..*]			684
	Type <*Tp*>	[0..1]	Text		685
	Value <*Val*>	[0..1]	Text		685
	Traceability <*Tracblt*>	[0..*]	±		685

30.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction37Code" on page 1602

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.

30.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

30.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

30.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

30.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

30.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

30.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

30.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

30.4.1.9 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		685
	Value <*Val*>	[0..1]	Text		685

30.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

30.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

30.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			687
	Acquirer <*Acqrr*>	[1..1]	±		687
	Sender <*Sndr*>	[0..1]	±		688
	Receiver <*Rcvr*>	[0..1]	±		688
	Acceptor <*Accptr*>	[0..1]	±		689
	Payer <*Pyer*>	[0..1]	±		689
	Payee <*Pyee*>	[0..1]	±		689
	Terminal <*Termnl*>	[0..1]	±		690
	Card <*Card*>	[1..1]	±		690
	Wallet <*Wllt*>	[0..1]	±		690
	Token <*Tkn*>	[0..1]	±		691
	Context <*Cntxt*>	[1..1]			691
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		691
	TransactionContext <*TxCntxt*>	[1..1]	±		692
	SaleContext <*SaleCntxt*>	[0..1]	±		693
	Transaction <*Tx*>	[0..1]			693
	MessageReason <*MsgRsn*>	[0..*]	Text		694
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		694
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		694
	TransactionIdentification <*TxId*>	[1..1]	±		695
	DisputeReference <*DsptRef*>	[0..*]	±		695
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		696
	AdditionalFees <*AddtlFees*>	[0..*]	±		696
	TransactionDescription <*TxDesc*>	[0..1]	Text		697
	AdditionalData <*AddtlData*>	[0..*]			697
	Type <*Tp*>	[0..1]	Text		697
	Value <*Val*>	[0..1]	Text		697
	OriginalTransaction <*OrgnlTx*>	[1..1]			697
	Environment <*Envt*>	[0..1]	±		697
	Context <*Cntxt*>	[0..1]	±		698
	Transaction <*Tx*>	[0..1]	±		699

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProcessingResult <*PrcgRslt*>	[0..1]	±		699
	ProtectedData <*PrtctdData*>	[0..*]	±		700
	RetrievalFulfilmentDestination <*RtrvlFlfmtDstn*>	[0..1]	±		703
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	703

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]	±		687
	Sender <*Sndr*>	[0..1]	±		688
	Receiver <*Rcvr*>	[0..1]	±		688
	Acceptor <*Accptr*>	[0..1]	±		689
	Payer <*Pyer*>	[0..1]	±		689
	Payee <*Pyee*>	[0..1]	±		689
	Terminal <*Termnl*>	[0..1]	±		690
	Card <*Card*>	[1..1]	±		690
	Wallet <*Wllt*>	[0..1]	±		690
	Token <*Tkn*>	[0..1]	±		691

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1015 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1016
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1016
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1016
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1016
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1017
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1017
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1017

30.4.2.1.9 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		691
	TransactionContext <*TxCntxt*>	[1..1]	±		692
	SaleContext <*SaleCntxt*>	[0..1]	±		693

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 1360 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1360
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1361
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1361
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1361
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1362
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1362
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1362
	ECommerceData <*EComrcData*>	[0..*]			1362
	Type <*Tp*>	[1..1]	Text		1363
	Value <*Val*>	[1..1]	Text		1363
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1363
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1363
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1364
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1364
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1365
	CardDataEntryMode <*CardDataNtryMd*>	[0..1]	CodeSet		1365
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1366
	StorageLocation <*StorgLctn*>	[0..1]	Text		1366
	SpecialConditions <*SpclConds*>	[0..*]			1366
	Identification <*Id*>	[0..1]	Text		1366
	Value <*Val*>	[0..1]	Text		1366

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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 1121 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SaleIdentification <*SaleId*>	[0..1]	Text		1121
	SaleReferenceIdentification <*SaleRefId*>	[0..1]	Text		1122
	SaleReferenceNumber <*SaleRefNb*>	[0..1]	Text		1122
	GoodsAndServicesType <*GoodsAndSvcsTp*>	[0..1]	CodeSet		1122
	GoodAndServicesSubType <*GoodAndSvcsSubTp*>	[0..1]	CodeSet		1122
	GoodAndServicesOtherSubType <*GoodAndSvcsOthrSubTp*>	[0..1]	Text		1122
	SplitPaymentIndicator <*SpltPmtInd*>	[0..1]	Indicator		1122
	ReceiptRequestIndicator <*RctReqInd*>	[0..1]	Indicator		1123
	ReceiptType <*RctTp*>	[0..*]	CodeSet		1123
	ReceiptDestination <*RctDstn*>	[0..1]	Text		1123

30.4.2.3 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		694
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		694
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		694
	TransactionIdentification <*TxId*>	[1..1]	±		695
	DisputeReference <*DsptRef*>	[0..*]	±		695
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		696
	AdditionalFees <*AddtlFees*>	[0..*]	±		696
	TransactionDescription <*TxDesc*>	[0..1]	Text		697
	AdditionalData <*AddtlData*>	[0..*]			697
	Type <*Tp*>	[0..1]	Text		697
	Value <*Val*>	[0..1]	Text		697

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 1635

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 1640

30.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1405 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

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 1272 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AssignerEntity <*AssgnrNtty*>	[0..1]	CodeSet		1273
	OtherAssignerEntity <*OthrAssgnrNtty*>	[0..1]	Text		1273
	DisputeIdentification <*DsptId*>	[1..*]			1273
	Type <*Tp*>	[0..1]	Text		1273
	Identification <*Id*>	[1..1]	Text		1273

30.4.2.3.6 RetrievalFulfilmentInstructions <RtrvlFlfmtInstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

RetrievalFulfilmentInstructions <RtrvlFlfmtInstrs> contains the following elements (see "RetrievalFulfilmentInstructions1" on page 1292 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Method <*Mtd*>	[0..1]			1292
{Or	RequestedMethod <*ReqdMtd*>	[0..*]	Text		1293
Or	EstablishedMethod <*EstblishdMtd*>	[0..*]	Text		1293
Or}	ActualDeliveryMethod <*ActlDlvryMtd*>	[0..1]	Text		1293
	DeliveryInformation <*DlvryInf*>	[0..1]	±		1293
	AdditionalInformation <*AddtlInf*>	[0..1]	±		1293

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1635

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		697
	Value <*Val*>	[0..1]	Text		697

30.4.2.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

30.4.2.3.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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]	±		697
	Context <*Cntxt*>	[0..1]	±		698
	Transaction <*Tx*>	[0..1]	±		699
	ProcessingResult <*PrcgRslt*>	[0..1]	±		699

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 1237 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Acquirer <*Acqrr*>	[0..1]	±		1238
	Sender <*Sndr*>	[0..1]	±		1239
	Receiver <*Rcvr*>	[0..1]	±		1239
	Acceptor <*Accptr*>	[0..1]	±		1239
	Payer <*Pyer*>	[0..1]	±		1240
	Payee <*Pyee*>	[0..1]	±		1240
	Terminal <*Termnl*>	[0..1]			1241
	TerminalIdentification <*TermnlId*>	[0..1]	±		1241
	Capabilities <*Cpblties*>	[0..1]	±		1241
	CardholderVerificationCapability <*CrdhldrVrfctnCpblty*>	[0..*]	±		1242
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1242
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1243
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1243
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1243
	POIComponent <*POICmpnt*>	[0..*]	±		1244
	Card <*Card*>	[1..1]	±		1246
	CustomerDevice <*CstmrDvc*>	[0..1]	±		1246
	Wallet <*Wllt*>	[0..1]	±		1247
	Token <*Tkn*>	[0..1]	±		1247
	Cardholder <*Crdhldr*>	[0..1]	±		1247

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 1258 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		1259
	TransactionContext <*TxCntxt*>	[1..1]	±		1260
	Verification <*Vrfctn*>	[0..*]	±		1261
	RiskContext <*RskCntxt*>	[0..1]	±		1261
	SaleContext <*SaleCntxt*>	[0..1]	±		1262

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 1079 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionType <*TxTp*>	[0..1]	Text		1080
	TransactionSubType <*TxSubTp*>	[0..1]	Text		1080
	AdditionalService <*AddtlSvc*>	[0..*]	±		1081
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		1081
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		1082
	MessageReason <*MsgRsn*>	[0..*]	Text		1082
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		1082
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		1082
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		1082
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		1082
	TransactionIdentification <*TxId*>	[0..1]	±		1083
	DisputeData <*DsptData*>	[0..*]	±		1083
	TransactionAmounts <*TxAmts*>	[0..1]	±		1084
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		1084
	AdditionalFees <*AddtlFees*>	[0..*]	±		1085
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		1085
	DepositDetails <*DpstDtls*>	[0..*]	±		1086
	FundsServices <*FndsSvcs*>	[0..1]	±		1086
	AccountFrom <*AcctFr*>	[0..1]	±		1086
	AccountTo <*AcctTo*>	[0..1]	±		1086
	TransactionDescription <*TxDesc*>	[0..1]	Text		1087
	AdditionalData <*AddtlData*>	[0..*]			1087
	Type <*Tp*>	[0..1]	Text		1087
	Value <*Val*>	[0..1]	Text		1087

30.4.2.4.4 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 1519 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1520
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1520
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1520
	ResultData <*RsltData*>	[0..1]	±		1521
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1521
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1521
	Action <*Actn*>	[0..*]	±		1522
	AdditionalAction <*AddtlActn*>	[0..*]	±		1522
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1523

30.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

30.4.2.6 RetrievalFulfilmentDestination <RtrvlFlfmtDstn>

Presence: [0..1]

Definition: Destination ID or routing information of Retrieval fulfilment initiation message.

RetrievalFulfilmentDestination <RtrvlFlfmtDstn> contains the following elements (see "PartyIdentification197" on page 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

31 DRAFT5cain.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 RetrievalnitiationRequest 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> <RtrvlRspn>	[1..1]			
	Header <*Hdr*>	[1..1]			707
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		708
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		708
	ExchangeIdentification <*XchgId*>	[0..1]	Text		708
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		709
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		709
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		709
	InitiatingParty <*InitgPty*>	[1..1]	±		709
	RecipientParty <*RcptPty*>	[0..1]	±		710
	TraceData <*TracData*>	[0..*]			710
	Type <*Tp*>	[0..1]	Text		710
	Value <*Val*>	[0..1]	Text		710
	Traceability <*Tracblt*>	[0..*]	±		710
	Body <*Body*>	[1..1]			711
	Environment <*Envt*>	[1..1]			713
	Acquirer <*Acqrr*>	[1..1]	±		713
	Sender <*Sndr*>	[0..1]	±		713
	Receiver <*Rcvr*>	[0..1]	±		714
	Acceptor <*Accptr*>	[0..1]	±		714
	Payer <*Pyer*>	[0..1]	±		715
	Payee <*Pyee*>	[0..1]	±		715
	Terminal <*Termnl*>	[0..1]	±		716
	Card <*Card*>	[1..1]	±		716
	Wallet <*Wllt*>	[0..1]	±		716
	Token <*Tkn*>	[0..1]	±		717
	Context <*Cntxt*>	[0..1]			717
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		717
	TransactionContext <*TxCntxt*>	[1..1]	±		718
	SaleContext <*SaleCntxt*>	[0..1]	±		719

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Transaction <*Tx*>	[0..1]			719
	MessageReason <*MsgRsn*>	[0..*]	Text		720
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		720
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		720
	TransactionIdentification <*TxId*>	[1..1]	±		721
	DisputeReference <*DsptRef*>	[0..*]	±		721
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		722
	AdditionalFees <*AddtlFees*>	[0..*]	±		722
	TransactionDescription <*TxDesc*>	[0..1]	Text		723
	AdditionalData <*AddtlData*>	[0..*]			723
	Type <*Tp*>	[0..1]	Text		723
	Value <*Val*>	[0..1]	Text		723
	ProcessingResult <*PrcgRslt*>	[1..1]	±		723
	ProtectedData <*PrtctdData*>	[0..*]	±		724
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	727
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		727

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 **Header55** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		708
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		708
	ExchangeIdentification <*XchgId*>	[0..1]	Text		708
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		709
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		709
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		709
	InitiatingParty <*InitgPty*>	[1..1]	±		709
	RecipientParty <*RcptPty*>	[0..1]	±		710
	TraceData <*TracData*>	[0..*]			710
	Type <*Tp*>	[0..1]	Text		710
	Value <*Val*>	[0..1]	Text		710
	Traceability <*Tracblt*>	[0..*]	±		710

31.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction37Code" on page 1602

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.

31.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

31.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

31.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

31.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

31.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

31.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

31.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

31.4.1.9 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		710
	Value <*Val*>	[0..1]	Text		710

31.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

31.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

31.4.1.10 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 <TracbIt> contains the following elements (see "Traceability7" on page 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			713
	Acquirer <*Acqrr*>	[1..1]	±		713
	Sender <*Sndr*>	[0..1]	±		713
	Receiver <*Rcvr*>	[0..1]	±		714
	Acceptor <*Accptr*>	[0..1]	±		714
	Payer <*Pyer*>	[0..1]	±		715
	Payee <*Pyee*>	[0..1]	±		715
	Terminal <*Termnl*>	[0..1]	±		716
	Card <*Card*>	[1..1]	±		716
	Wallet <*Wllt*>	[0..1]	±		716
	Token <*Tkn*>	[0..1]	±		717
	Context <*Cntxt*>	[0..1]			717
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		717
	TransactionContext <*TxCntxt*>	[1..1]	±		718
	SaleContext <*SaleCntxt*>	[0..1]	±		719
	Transaction <*Tx*>	[0..1]			719
	MessageReason <*MsgRsn*>	[0..*]	Text		720
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		720
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		720
	TransactionIdentification <*TxId*>	[1..1]	±		721
	DisputeReference <*DsptRef*>	[0..*]	±		721
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		722
	AdditionalFees <*AddtlFees*>	[0..*]	±		722
	TransactionDescription <*TxDesc*>	[0..1]	Text		723
	AdditionalData <*AddtlData*>	[0..*]			723
	Type <*Tp*>	[0..1]	Text		723
	Value <*Val*>	[0..1]	Text		723
	ProcessingResult <*PrcgRslt*>	[1..1]	±		723
	ProtectedData <*PrtctdData*>	[0..*]	±		724
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	727

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]	±		713
	Sender <*Sndr*>	[0..1]	±		713
	Receiver <*Rcvr*>	[0..1]	±		714
	Acceptor <*Accptr*>	[0..1]	±		714
	Payer <*Pyer*>	[0..1]	±		715
	Payee <*Pyee*>	[0..1]	±		715
	Terminal <*Termnl*>	[0..1]	±		716
	Card <*Card*>	[1..1]	±		716
	Wallet <*Wllt*>	[0..1]	±		716
	Token <*Tkn*>	[0..1]	±		717

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

31.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

31.4.2.1.5 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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

31.4.2.1.6 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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1015 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1016
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1016
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1016
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1016
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1017
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1017
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1017

31.4.2.1.9 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		717
	TransactionContext <*TxCntxt*>	[1..1]	±		718
	SaleContext <*SaleCntxt*>	[0..1]	±		719

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 1360 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1360
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1361
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1361
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1361
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1362
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1362
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1362
	ECommerceData <*EComrcData*>	[0..*]			1362
	Type <*Tp*>	[1..1]	Text		1363
	Value <*Val*>	[1..1]	Text		1363
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1363
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1363
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1364
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1364
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1365
	CardDataEntryMode <*CardDataNtryMd*>	[0..1]	CodeSet		1365
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1366
	StorageLocation <*StorgLctn*>	[0..1]	Text		1366
	SpecialConditions <*SpclConds*>	[0..*]			1366
	Identification <*Id*>	[0..1]	Text		1366
	Value <*Val*>	[0..1]	Text		1366

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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 1121 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SaleIdentification <*SaleId*>	[0..1]	Text		1121
	SaleReferenceIdentification <*SaleRefId*>	[0..1]	Text		1122
	SaleReferenceNumber <*SaleRefNb*>	[0..1]	Text		1122
	GoodsAndServicesType <*GoodsAndSvcsTp*>	[0..1]	CodeSet		1122
	GoodAndServicesSubType <*GoodAndSvcsSubTp*>	[0..1]	CodeSet		1122
	GoodAndServicesOtherSubType <*GoodAndSvcsOthrSubTp*>	[0..1]	Text		1122
	SplitPaymentIndicator <*SpltPmtInd*>	[0..1]	Indicator		1122
	ReceiptRequestIndicator <*RctReqInd*>	[0..1]	Indicator		1123
	ReceiptType <*RctTp*>	[0..*]	CodeSet		1123
	ReceiptDestination <*RctDstn*>	[0..1]	Text		1123

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		720
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		720
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		720
	TransactionIdentification <*TxId*>	[1..1]	±		721
	DisputeReference <*DsptRef*>	[0..*]	±		721
	RetrievalFulfilmentInstructions <*RtrvlFlfmtInstrs*>	[0..*]	±		722
	AdditionalFees <*AddtlFees*>	[0..*]	±		722
	TransactionDescription <*TxDesc*>	[0..1]	Text		723
	AdditionalData <*AddtlData*>	[0..*]			723
	Type <*Tp*>	[0..1]	Text		723
	Value <*Val*>	[0..1]	Text		723

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 1635

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 1640

31.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1405 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

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 1272 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AssignerEntity <*AssgnrNtty*>	[0..1]	CodeSet		1273
	OtherAssignerEntity <*OthrAssgnrNtty*>	[0..1]	Text		1273
	DisputeIdentification <*DsptId*>	[1..*]			1273
	Type <*Tp*>	[0..1]	Text		1273
	Identification <*Id*>	[1..1]	Text		1273

31.4.2.3.6 RetrievalFulfilmentInstructions <RtrvlFlfmtInstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

RetrievalFulfilmentInstructions <RtrvlFlfmtInstrs> contains the following elements (see "RetrievalFulfilmentInstructions1" on page 1292 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Method <*Mtd*>	[0..1]			1292
{Or	RequestedMethod <*ReqdMtd*>	[0..*]	Text		1293
Or	EstablishedMethod <*EstblishdMtd*>	[0..*]	Text		1293
Or}	ActualDeliveryMethod <*ActlDlvryMtd*>	[0..1]	Text		1293
	DeliveryInformation <*DlvryInf*>	[0..1]	±		1293
	AdditionalInformation <*AddtlInf*>	[0..1]	±		1293

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1635

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		723
	Value <*Val*>	[0..1]	Text		723

31.4.2.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

31.4.2.3.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1515 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

31.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

32 DRAFT5cain.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> <CardMgmtInitn>	[1..1]			
	Header <*Hdr*>	[1..1]			732
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		732
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		733
	ExchangeIdentification <*XchgId*>	[0..1]	Text		733
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		733
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		733
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		733
	InitiatingParty <*InitgPty*>	[1..1]	±		733
	RecipientParty <*RcptPty*>	[0..1]	±		734
	TraceData <*TracData*>	[0..*]			734
	Type <*Tp*>	[0..1]	Text		735
	Value <*Val*>	[0..1]	Text		735
	Traceability <*Tracblt*>	[0..*]	±		735
	Body <*Body*>	[1..1]			735
	Environment <*Envt*>	[1..1]			737
	Acquirer <*Acqrr*>	[1..1]	±		737
	Sender <*Sndr*>	[0..1]	±		738
	Receiver <*Rcvr*>	[0..1]	±		738
	Acceptor <*Accptr*>	[1..1]	±		739
	Terminal <*Termnl*>	[0..1]	±		739
	Card <*Card*>	[1..1]	±		740
	CustomerDevice <*CstmrDvc*>	[0..1]	±		741
	Wallet <*Wllt*>	[0..1]	±		741
	Token <*Tkn*>	[0..1]	±		742
	Cardholder <*Crdhldr*>	[0..1]	±		742
	Context <*Cntxt*>	[1..1]			742
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		743
	TransactionContext <*TxCntxt*>	[1..1]	±		744
	Verification <*Vrfctn*>	[0..*]	±		745

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskContext <*RskCntxt*>	[0..1]	±		745
	Transaction <*Tx*>	[1..1]			746
	TransactionType <*TxTp*>	[1..1]	Text		746
	TransactionSubType <*TxSubTp*>	[0..1]	Text		747
	MessageReason <*MsgRsn*>	[0..*]	Text		747
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		747
	TransactionIdentification <*TxId*>	[1..1]	±		747
	NewPINData <*NewPINData*>	[0..1]	±		748
	TransactionCurrency <*TxCcy*>	[0..1]	CodeSet	C3	749
	DetailedAmount <*DtldAmt*>	[0..*]	±		749
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		749
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		750
	AdditionalFees <*AddtlFees*>	[0..*]	±		750
	AccountFrom <*AcctFr*>	[0..1]	±		751
	AccountTo <*AcctTo*>	[0..1]	±		751
	AdditionalData <*AddtlData*>	[0..*]			751
	Type <*Tp*>	[0..1]	Text		751
	Value <*Val*>	[0..1]	Text		751
	ProcessingResult <*PrcgRslt*>	[0..1]	±		752
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		752
	ProtectedData <*PrtctdData*>	[0..*]	±		752
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	755
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		755

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		732
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		733
	ExchangeIdentification <*XchgId*>	[0..1]	Text		733
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		733
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		733
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		733
	InitiatingParty <*InitgPty*>	[1..1]	±		733
	RecipientParty <*RcptPty*>	[0..1]	±		734
	TraceData <*TracData*>	[0..*]			734
	Type <*Tp*>	[0..1]	Text		735
	Value <*Val*>	[0..1]	Text		735
	Traceability <*Tracblt*>	[0..*]	±		735

32.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

32.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

32.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

32.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

32.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

32.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

32.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

32.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

32.4.1.9 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		735
	Value <*Val*>	[0..1]	Text		735

32.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

32.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

32.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			737
	Acquirer <*Acqrr*>	[1..1]	±		737
	Sender <*Sndr*>	[0..1]	±		738
	Receiver <*Rcvr*>	[0..1]	±		738
	Acceptor <*Accptr*>	[1..1]	±		739
	Terminal <*Termnl*>	[0..1]	±		739
	Card <*Card*>	[1..1]	±		740
	CustomerDevice <*CstmrDvc*>	[0..1]	±		741
	Wallet <*Wllt*>	[0..1]	±		741
	Token <*Tkn*>	[0..1]	±		742
	Cardholder <*Crdhldr*>	[0..1]	±		742
	Context <*Cntxt*>	[1..1]			742
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		743
	TransactionContext <*TxCntxt*>	[1..1]	±		744
	Verification <*Vrfctn*>	[0..*]	±		745
	RiskContext <*RskCntxt*>	[0..1]	±		745
	Transaction <*Tx*>	[1..1]			746
	TransactionType <*TxTp*>	[1..1]	Text		746
	TransactionSubType <*TxSubTp*>	[0..1]	Text		747
	MessageReason <*MsgRsn*>	[0..*]	Text		747
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		747
	TransactionIdentification <*TxId*>	[1..1]	±		747
	NewPINData <*NewPINData*>	[0..1]	±		748
	TransactionCurrency <*TxCcy*>	[0..1]	CodeSet	C3	749
	DetailedAmount <*DtldAmt*>	[0..*]	±		749
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		749
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		750
	AdditionalFees <*AddtlFees*>	[0..*]	±		750
	AccountFrom <*AcctFr*>	[0..1]	±		751
	AccountTo <*AcctTo*>	[0..1]	±		751
	AdditionalData <*AddtlData*>	[0..*]			751

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		751
	Value <*Val*>	[0..1]	Text		751
	ProcessingResult <*PrcgRslt*>	[0..1]	±		752
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		752
	ProtectedData <*PrtctdData*>	[0..*]	±		752
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	755

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]	±		737
	Sender <*Sndr*>	[0..1]	±		738
	Receiver <*Rcvr*>	[0..1]	±		738
	Acceptor <*Accptr*>	[1..1]	±		739
	Terminal <*Termnl*>	[0..1]	±		739
	Card <*Card*>	[1..1]	±		740
	CustomerDevice <*CstmrDvc*>	[0..1]	±		741
	Wallet <*Wllt*>	[0..1]	±		741
	Token <*Tkn*>	[0..1]	±		742
	Cardholder <*Crdhldr*>	[0..1]	±		742

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376
	Type <*Tp*>	[0..1]	CodeSet		1377
	OtherType <*OthrTp*>	[0..1]	Text		1377
	Capabilities <*Cpblties*>	[0..1]	±		1377
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1378
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1378
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1379
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1379
	POIComponent <*POICmpnt*>	[0..*]	±		1379

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 1010 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[1..1]	Text		1010
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1011
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1011
	EffectiveDate <*FctvDt*>	[0..1]	Text		1011
	ExpiryDate <*XpryDt*>	[0..1]	Text		1011
	ServiceCode <*SvcCd*>	[0..1]	Text		1011
	Track1 <*Trck1*>	[0..1]	Text		1012
	Track2 <*Trck2*>	[0..1]			1012
{Or	TextValue <*TxtVal*>	[1..1]	Text		1012
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1012
	Track3 <*Trck3*>	[0..1]	Text		1013
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1013
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1013
	CardProductType <*CardPdctTp*>	[0..1]	Text		1013
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1013
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1013
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1014

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 1266 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Device <*Dvc*>	[0..1]	±		1267
	Identification <*Id*>	[0..1]	Text		1267
	Provider <*Prvdr*>	[0..1]	Text		1267

32.4.2.1.8 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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]	±		743
	TransactionContext <*TxCntxt*>	[1..1]	±		744
	Verification <*Vrfctn*>	[0..*]	±		745
	RiskContext <*RskCntxt*>	[0..1]	±		745

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1075 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[1..1]	Text		1075
	MerchantCategorySpecificData <*MrchntCtgySpcfcData*>	[0..1]	Text		1075
	CustomerConsent <*CstmrCnsnt*>	[0..1]	Indicator		1076
	ICCFallbackIndicator <*ICCFllbckInd*>	[0..1]	Indicator		1076
	MagneticStripeFallbackIndicator <*MgntcStrpFllbckInd*>	[0..1]	Indicator		1076
	LatePresentmentIndicator <*LatePresntmntInd*>	[0..1]	Indicator		1076
	FinalAuthorisationIndicator <*FnlAuthstnInd*>	[0..1]	Indicator		1077
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1077
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1077
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1077
	SettlementService <*SttlmSvc*>	[0..1]	±		1078
	Reconciliation <*Rcncltn*>	[0..1]	±		1079
	CaptureDate <*CaptrDt*>	[0..1]	Date		1079

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 1540 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1540
	OtherType <*OthrTp*>	[0..1]	Text		1543
	SubType <*SubTp*>	[0..1]	Text		1543
	VerificationInformation <*VrfctnInf*>	[0..*]	±		1543
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1543

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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		746
	TransactionSubType <*TxSubTp*>	[0..1]	Text		747
	MessageReason <*MsgRsn*>	[0..*]	Text		747
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		747
	TransactionIdentification <*TxId*>	[1..1]	±		747
	NewPINData <*NewPINData*>	[0..1]	±		748
	TransactionCurrency <*TxCcy*>	[0..1]	CodeSet	C3	749
	DetailedAmount <*DtldAmt*>	[0..*]	±		749
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		749
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		750
	AdditionalFees <*AddtlFees*>	[0..*]	±		750
	AccountFrom <*AcctFr*>	[0..1]	±		751
	AccountTo <*AcctTo*>	[0..1]	±		751
	AdditionalData <*AddtlData*>	[0..*]			751
	Type <*Tp*>	[0..1]	Text		751
	Value <*Val*>	[0..1]	Text		751

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 1634

32.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1635

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 1640

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 1393 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1394
	TimeZone <*TmZone*>	[0..1]	Text		1394
	TransactionReference <*TxRef*>	[0..1]	Text		1394
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1394
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1395
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1395
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1395
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1395
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1396
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1396
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1396
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1396
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1396

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 1341 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Control <*Ctrl*>	[0..1]	Text		1342
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1342
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1342
	Algorithm <*Algo*>	[0..1]	Text		1343
	KeyLength <*KeyLngth*>	[0..1]	Text		1343
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1343
	KeyIndex <*KeyIndx*>	[0..1]	Text		1343
	PINBlockFormat <*PINBlckFrmt*>	[1..1]	Text		1343
	EncryptedPINBlock <*NcrptdPINBlck*>	[1..1]	Text		1343

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 1593

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 985 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		985
	OtherType <*OthrTp*>	[0..1]	Text		985
	Amount <*Amt*>	[1..1]	±		985
	Label <*Labl*>	[0..1]	Text		986

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 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

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 997 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		997
	OtherType <*OthrTp*>	[0..1]	Text		997
	Amount <*Amt*>	[1..1]	±		997
	Label <*Labl*>	[0..1]	Text		998

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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		751
	Value <*Val*>	[0..1]	Text		751

32.4.2.3.14.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

32.4.2.3.14.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1523 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1523
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1524
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1524
	ResultData <*RsltData*>	[0..1]	±		1524
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1525
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1525
	Action <*Actn*>	[0..*]	±		1526
	AdditionalAction <*AddtlActn*>	[0..*]	±		1526
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1526

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 1635

32.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

33 DRAFT5cain.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]			759
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		760
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		760
	ExchangeIdentification <*XchgId*>	[0..1]	Text		760
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		761
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		761
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		761
	InitiatingParty <*InitgPty*>	[1..1]	±		761
	RecipientParty <*RcptPty*>	[0..1]	±		761
	TraceData <*TracData*>	[0..*]			762
	Type <*Tp*>	[0..1]	Text		762
	Value <*Val*>	[0..1]	Text		762
	Traceability <*Tracblt*>	[0..*]	±		762
	Body <*Body*>	[1..1]			763
	Environment <*Envt*>	[1..1]			765
	Acquirer <*Acqrr*>	[1..1]	±		765
	Sender <*Sndr*>	[0..1]	±		765
	Receiver <*Rcvr*>	[0..1]	±		766
	Acceptor <*Accptr*>	[0..1]	±		766
	Terminal <*Termnl*>	[0..1]	±		767
	Card <*Card*>	[1..1]	±		767
	CustomerDevice <*CstmrDvc*>	[0..1]	±		767
	Wallet <*Wllt*>	[0..1]	±		768
	Token <*Tkn*>	[0..1]	±		768
	Context <*Cntxt*>	[1..1]			768
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		769
	TransactionContext <*TxCntxt*>	[1..1]	±		770
	Verification <*Vrfctn*>	[0..*]	±		771
	RiskContext <*RskCntxt*>	[0..1]	±		771

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Transaction <*Tx*>	[1..1]			772
	TransactionType <*TxTp*>	[1..1]	Text		772
	TransactionSubType <*TxSubTp*>	[0..1]	Text		772
	TransactionIdentification <*TxId*>	[1..1]	±		772
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		773
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		773
	AdditionalFees <*AddtlFees*>	[0..*]	±		774
	AdditionalData <*AddtlData*>	[0..*]			774
	Type <*Tp*>	[0..1]	Text		774
	Value <*Val*>	[0..1]	Text		775
	ProcessingResult <*PrcgRslt*>	[1..1]	±		775
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		775
	ProtectedData <*PrtctdData*>	[0..*]	±		775
	SupplementaryData <*SplmtryData*>	[0..*]	±	C2	778
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		778

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 **Header39** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		760
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		760
	ExchangeIdentification <*XchgId*>	[0..1]	Text		760
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		761
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		761
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		761
	InitiatingParty <*InitgPty*>	[1..1]	±		761
	RecipientParty <*RcptPty*>	[0..1]	±		761
	TraceData <*TracData*>	[0..*]			762
	Type <*Tp*>	[0..1]	Text		762
	Value <*Val*>	[0..1]	Text		762
	Traceability <*Tracblt*>	[0..*]	±		762

33.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1600

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.

33.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

33.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

33.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

33.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

33.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

33.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

33.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

33.4.1.9 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		762
	Value <*Val*>	[0..1]	Text		762

33.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

33.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

33.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			765
	Acquirer <*Acqrr*>	[1..1]	±		765
	Sender <*Sndr*>	[0..1]	±		765
	Receiver <*Rcvr*>	[0..1]	±		766
	Acceptor <*Accptr*>	[0..1]	±		766
	Terminal <*Termnl*>	[0..1]	±		767
	Card <*Card*>	[1..1]	±		767
	CustomerDevice <*CstmrDvc*>	[0..1]	±		767
	Wallet <*Wllt*>	[0..1]	±		768
	Token <*Tkn*>	[0..1]	±		768
	Context <*Cntxt*>	[1..1]			768
	PointOfServiceContext <*PtOfSvcCntxt*>	[1..1]	±		769
	TransactionContext <*TxCntxt*>	[1..1]	±		770
	Verification <*Vrfctn*>	[0..*]	±		771
	RiskContext <*RskCntxt*>	[0..1]	±		771
	Transaction <*Tx*>	[1..1]			772
	TransactionType <*TxTp*>	[1..1]	Text		772
	TransactionSubType <*TxSubTp*>	[0..1]	Text		772
	TransactionIdentification <*TxId*>	[1..1]	±		772
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		773
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		773
	AdditionalFees <*AddtlFees*>	[0..*]	±		774
	AdditionalData <*AddtlData*>	[0..*]			774
	Type <*Tp*>	[0..1]	Text		774
	Value <*Val*>	[0..1]	Text		775
	ProcessingResult <*PrcgRslt*>	[1..1]	±		775
	ICCRelatedData <*ICCRltdData*>	[0..1]	Text		775
	ProtectedData <*PrtctdData*>	[0..*]	±		775
	SupplementaryData <*SplmtryData*>	[0..*]	±	C2	778

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]	±		765
	Sender <*Sndr*>	[0..1]	±		765
	Receiver <*Rcvr*>	[0..1]	±		766
	Acceptor <*Accptr*>	[0..1]	±		766
	Terminal <*Termnl*>	[0..1]	±		767
	Card <*Card*>	[1..1]	±		767
	CustomerDevice <*CstmrDvc*>	[0..1]	±		767
	Wallet <*Wllt*>	[0..1]	±		768
	Token <*Tkn*>	[0..1]	±		768

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1319 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1319
	Assigner <*Assgnr*>	[0..1]	Text		1320
	Country <*Ctry*>	[0..1]	CodeSet	C1	1320
	ShortName <*ShrtNm*>	[0..1]	Text		1320
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1320
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1320

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1017 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1018
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1018
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1019
	EffectiveDate <*FctvDt*>	[0..1]	Text		1019
	ExpiryDate <*XpryDt*>	[0..1]	Text		1019
	Track3 <*Trck3*>	[0..1]	Text		1019
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1019
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1020
	PANFourLastDigits <*PANFourLastDgts*>	[0..1]	Text		1020
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1020
	CardCurrencyCode <*CardCcyCd*>	[0..1]	CodeSet	C2	1020
	CardProductType <*CardPdctTp*>	[0..1]	Text		1020
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1020
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1021
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1021

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 1266 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Device <*Dvc*>	[0..1]	±		1267
	Identification <*Id*>	[0..1]	Text		1267
	Provider <*Prvdr*>	[0..1]	Text		1267

33.4.2.1.8 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		769
	TransactionContext <*TxCntxt*>	[1..1]	±		770
	Verification <*Vrfctn*>	[0..*]	±		771
	RiskContext <*RskCntxt*>	[0..1]	±		771

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1075 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[1..1]	Text		1075
	MerchantCategorySpecificData <*MrchntCtgySpcfcData*>	[0..1]	Text		1075
	CustomerConsent <*CstmrCnsnt*>	[0..1]	Indicator		1076
	ICCFallbackIndicator <*ICCFllbckInd*>	[0..1]	Indicator		1076
	MagneticStripeFallbackIndicator <*MgntcStrpFllbckInd*>	[0..1]	Indicator		1076
	LatePresentmentIndicator <*LatePresntmntInd*>	[0..1]	Indicator		1076
	FinalAuthorisationIndicator <*FnlAuthstnInd*>	[0..1]	Indicator		1077
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1077
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1077
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1077
	SettlementService <*SttlmSvc*>	[0..1]	±		1078
	Reconciliation <*Rcncltn*>	[0..1]	±		1079
	CaptureDate <*CaptrDt*>	[0..1]	Date		1079

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 1540 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1540
	OtherType <*OthrTp*>	[0..1]	Text		1543
	SubType <*SubTp*>	[0..1]	Text		1543
	VerificationInformation <*VrfctnInf*>	[0..*]	±		1543
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1543

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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		772
	TransactionSubType <*TxSubTp*>	[0..1]	Text		772
	TransactionIdentification <*TxId*>	[1..1]	±		772
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		773
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		773
	AdditionalFees <*AddtlFees*>	[0..*]	±		774
	AdditionalData <*AddtlData*>	[0..*]			774
	Type <*Tp*>	[0..1]	Text		774
	Value <*Val*>	[0..1]	Text		775

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 1634

33.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1393 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1394
	TimeZone <*TmZone*>	[0..1]	Text		1394
	TransactionReference <*TxRef*>	[0..1]	Text		1394
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1394
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1395
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1395
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1395
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1395
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1396
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1396
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1396
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1396
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1396

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 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

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 997 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		997
	OtherType <*OthrTp*>	[0..1]	Text		997
	Amount <*Amt*>	[1..1]	±		997
	Label <*Labl*>	[0..1]	Text		998

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		774
	Value <*Val*>	[0..1]	Text		775

33.4.2.3.7.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

33.4.2.3.7.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1523 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1523
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1524
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1524
	ResultData <*RsltData*>	[0..1]	±		1524
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1525
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1525
	Action <*Actn*>	[0..*]	±		1526
	AdditionalAction <*AddtlActn*>	[0..*]	±		1526
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1526

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 1635

33.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

34 DRAFT5cain.025.001.01 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]			782
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		783
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		783
	ExchangeIdentification <*XchgId*>	[0..1]	Text		783
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		783
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		784
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		784
	InitiatingParty <*InitgPty*>	[1..1]	±		784
	RecipientParty <*RcptPty*>	[0..1]	±		784
	TraceData <*TracData*>	[0..*]			785
	Type <*Tp*>	[0..1]	Text		785
	Value <*Val*>	[0..1]	Text		785
	Traceability <*Tracblt*>	[0..*]	±		785
	Body <*Body*>	[0..1]			786
	Environment <*Envt*>	[1..1]			787
	Acquirer <*Acqrr*>	[1..1]	±		788
	Sender <*Sndr*>	[0..1]	±		788
	Receiver <*Rcvr*>	[0..1]	±		789
	Destination <*Dstn*>	[0..1]	±		789
	Card <*Card*>	[0..1]	±		789
	Token <*Tkn*>	[0..1]	±		790
	Context <*Cntxt*>	[0..1]			790
	TransactionContext <*TxCntxt*>	[0..1]			790
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		790
	Transaction <*Tx*>	[1..1]			791
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		791
	TransactionIdentification <*TxId*>	[1..1]	±		791
	DataSource <*DataSrc*>	[0..1]	Text		792
	AdditionalFees <*AddtlFees*>	[0..*]	±		792

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionDescription <*TxDesc*>	[0..1]	Text		792
	AdditionalData <*AddtlData*>	[0..*]			793
	Type <*Tp*>	[0..1]	Text		793
	Value <*Val*>	[0..1]	Text		793
	AddendumData <*AdddmData*>	[1..1]	±		793
	ProtectedData <*PrtctdData*>	[0..*]	±		794
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	797
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		797

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		783
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		783
	ExchangeIdentification <*XchgId*>	[0..1]	Text		783
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		783
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		784
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		784
	InitiatingParty <*InitgPty*>	[1..1]	±		784
	RecipientParty <*RcptPty*>	[0..1]	±		784
	TraceData <*TracData*>	[0..*]			785
	Type <*Tp*>	[0..1]	Text		785
	Value <*Val*>	[0..1]	Text		785
	Traceability <*Tracblt*>	[0..*]	±		785

34.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

34.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

34.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

34.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

34.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

34.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

34.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

34.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

34.4.1.9 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		785
	Value <*Val*>	[0..1]	Text		785

34.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

34.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

34.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			787
	Acquirer <*Acqrr*>	[1..1]	±		788
	Sender <*Sndr*>	[0..1]	±		788
	Receiver <*Rcvr*>	[0..1]	±		789
	Destination <*Dstn*>	[0..1]	±		789
	Card <*Card*>	[0..1]	±		789
	Token <*Tkn*>	[0..1]	±		790
	Context <*Cntxt*>	[0..1]			790
	TransactionContext <*TxCntxt*>	[0..1]			790
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		790
	Transaction <*Tx*>	[1..1]			791
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		791
	TransactionIdentification <*TxId*>	[1..1]	±		791
	DataSource <*DataSrc*>	[0..1]	Text		792
	AdditionalFees <*AddtlFees*>	[0..*]	±		792
	TransactionDescription <*TxDesc*>	[0..1]	Text		792
	AdditionalData <*AddtlData*>	[0..*]			793
	Type <*Tp*>	[0..1]	Text		793
	Value <*Val*>	[0..1]	Text		793
	AddendumData <*AdddmData*>	[1..1]	±		793
	ProtectedData <*PrtctdData*>	[0..*]	±		794
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	797

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]	±		788
	Sender <*Sndr*>	[0..1]	±		788
	Receiver <*Rcvr*>	[0..1]	±		789
	Destination <*Dstn*>	[0..1]	±		789
	Card <*Card*>	[0..1]	±		789
	Token <*Tkn*>	[0..1]	±		790

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1023 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1024
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1024
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1024
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1024

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]			790
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		790

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 <*CardPrgrmmApId*>	[0..1]	±		790

34.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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 <*AssoctdDataRef*>	[0..1]	Text		791
	TransactionIdentification <*TxId*>	[1..1]	±		791
	DataSource <*DataSrc*>	[0..1]	Text		792
	AdditionalFees <*AddtlFees*>	[0..*]	±		792
	TransactionDescription <*TxDesc*>	[0..1]	Text		792
	AdditionalData <*AddtlData*>	[0..*]			793
	Type <*Tp*>	[0..1]	Text		793
	Value <*Val*>	[0..1]	Text		793

34.4.2.3.1 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

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

Datatype: "Max70Text" on page 1642

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 1397 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionReference <*TxRef*>	[0..1]	Text		1398
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1398
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1398
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1398
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1399
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1399
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1399
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1399
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1399

34.4.2.3.3 DataSource <DataSrc>

Presence: [0..1]

Definition: Indicates the source of enhanced data.

Datatype: "Max70Text" on page 1642

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1635

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		793
	Value <*Val*>	[0..1]	Text		793

34.4.2.3.6.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

34.4.2.3.6.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1025 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <*PurchsIdrTp*>	[0..1]	CodeSet		1025
	OtherPurchaseIdentifierType <*OthrPurchsIdrTp*>	[0..1]	Text		1026
	PurchaseIdentifier <*PurchsIdr*>	[0..1]	Text		1026
	AdditionalAcceptorData <*AddtlAccptrData*>	[0..1]	±		1026
	Customer <*Cstmr*>	[0..1]	±		1027
	Sale <*Sale*>	[0..1]	±		1028
	Fleet <*Fleet*>	[0..1]	±		1028
	Invoice <*Invc*>	[0..1]	±		1028
	TravelAgency <*TrvlAgcy*>	[0..1]	±		1029
	PassengerTransport <*PssngrTrnsprt*>	[0..1]	±		1029
	VehicleRental <*VhclRntl*>	[0..*]	±		1029
	Lodging <*Ldgg*>	[0..*]	±		1030
	ShippingData <*ShppgData*>	[0..1]	±		1030
	TelecommunicationServices <*TelecomSvcs*>	[0..1]	±		1031
	TemporaryServices <*TempSvcs*>	[0..*]	±		1031
	Instalment <*Instlmt*>	[0..1]	±		1032
	AdditionalData <*AddtlData*>	[0..*]			1032
	Type <*Tp*>	[0..1]	Text		1033
	Value <*Val*>	[0..1]	Text		1033

34.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

35 DRAFT5cain.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]			801
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		802
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		802
	ExchangeIdentification <*XchgId*>	[0..1]	Text		802
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		802
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		803
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		803
	InitiatingParty <*InitgPty*>	[1..1]	±		803
	RecipientParty <*RcptPty*>	[0..1]	±		803
	TraceData <*TracData*>	[0..*]			804
	Type <*Tp*>	[0..1]	Text		804
	Value <*Val*>	[0..1]	Text		804
	Traceability <*Tracblt*>	[0..*]	±		804
	Body <*Body*>	[1..1]			805
	Environment <*Envt*>	[1..1]			806
	Acquirer <*Acqrr*>	[1..1]	±		806
	Sender <*Sndr*>	[0..1]	±		806
	Receiver <*Rcvr*>	[0..1]	±		807
	Destination <*Dstn*>	[0..1]	±		807
	Card <*Card*>	[0..1]	±		807
	Token <*Tkn*>	[0..1]	±		808
	Context <*Cntxt*>	[0..1]			808
	TransactionContext <*TxCntxt*>	[0..1]			808
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		809
	Transaction <*Tx*>	[1..1]			809
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		809
	TransactionIdentification <*TxId*>	[1..1]	±		809
	AdditionalFees <*AddtlFees*>	[0..*]	±		810
	TransactionDescription <*TxDesc*>	[0..1]	Text		810

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalData <*AddtlData*>	[0..*]			811
	Type <*Tp*>	[0..1]	Text		811
	Value <*Val*>	[0..1]	Text		811
	ProcessingResult <*PrcgRslt*>	[1..1]	±		811
	ProtectedData <*PrtctdData*>	[0..*]	±		811
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	814
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		814

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		802
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		802
	ExchangeIdentification <*XchgId*>	[0..1]	Text		802
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		802
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		803
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		803
	InitiatingParty <*InitgPty*>	[1..1]	±		803
	RecipientParty <*RcptPty*>	[0..1]	±		803
	TraceData <*TracData*>	[0..*]			804
	Type <*Tp*>	[0..1]	Text		804
	Value <*Val*>	[0..1]	Text		804
	Traceability <*Tracblt*>	[0..*]	±		804

35.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

35.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

35.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

35.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

35.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

35.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

35.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

35.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

35.4.1.9 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		804
	Value <*Val*>	[0..1]	Text		804

35.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

35.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

35.4.1.10 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 <TracbIt> contains the following elements (see "Traceability7" on page 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			806
	Acquirer <*Acqrr*>	[1..1]	±		806
	Sender <*Sndr*>	[0..1]	±		806
	Receiver <*Rcvr*>	[0..1]	±		807
	Destination <*Dstn*>	[0..1]	±		807
	Card <*Card*>	[0..1]	±		807
	Token <*Tkn*>	[0..1]	±		808
	Context <*Cntxt*>	[0..1]			808
	TransactionContext <*TxCntxt*>	[0..1]			808
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		809
	Transaction <*Tx*>	[1..1]			809
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		809
	TransactionIdentification <*TxId*>	[1..1]	±		809
	AdditionalFees <*AddtlFees*>	[0..*]	±		810
	TransactionDescription <*TxDesc*>	[0..1]	Text		810
	AdditionalData <*AddtlData*>	[0..*]			811
	Type <*Tp*>	[0..1]	Text		811
	Value <*Val*>	[0..1]	Text		811
	ProcessingResult <*PrcgRslt*>	[1..1]	±		811
	ProtectedData <*PrtctdData*>	[0..*]	±		811
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	814

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]	±		806
	Sender <*Sndr*>	[0..1]	±		806
	Receiver <*Rcvr*>	[0..1]	±		807
	Destination <*Dstn*>	[0..1]	±		807
	Card <*Card*>	[0..1]	±		807
	Token <*Tkn*>	[0..1]	±		808

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1023 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1024
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1024
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1024
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1024

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]			808
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		809

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]	±		809

35.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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 <*AssoctdDataRef*>	[0..1]	Text		809
	TransactionIdentification <*TxId*>	[1..1]	±		809
	AdditionalFees <*AddtlFees*>	[0..*]	±		810
	TransactionDescription <*TxDesc*>	[0..1]	Text		810
	AdditionalData <*AddtlData*>	[0..*]			811
	Type <*Tp*>	[0..1]	Text		811
	Value <*Val*>	[0..1]	Text		811

35.4.2.3.1 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

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

Datatype: "Max70Text" on page 1642

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 1400 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1401
	TimeZone <*TmZone*>	[0..1]	Text		1401
	TransactionReference <*TxRef*>	[0..1]	Text		1401
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1401
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1402
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1402
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1402
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1402
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1403
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1403
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1403
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1403
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1403

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1635

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		811
	Value <*Val*>	[0..1]	Text		811

35.4.2.3.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

35.4.2.3.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1515 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

35.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

36 DRAFT5cain.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> <ChrgBckInitn>	[1..1]			
	Header <*Hdr*>	[1..1]			819
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		819
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		820
	ExchangeIdentification <*XchgId*>	[0..1]	Text		820
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		820
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		820
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		820
	InitiatingParty <*InitgPty*>	[1..1]	±		820
	RecipientParty <*RcptPty*>	[0..1]	±		821
	TraceData <*TracData*>	[0..*]			821
	Type <*Tp*>	[0..1]	Text		822
	Value <*Val*>	[0..1]	Text		822
	Traceability <*Tracblt*>	[0..*]	±		822
	Body <*Body*>	[1..1]			822
	Environment <*Envt*>	[1..1]			824
	Acquirer <*Acqrr*>	[1..1]	±		824
	Sender <*Sndr*>	[0..1]	±		825
	Receiver <*Rcvr*>	[0..1]	±		825
	Acceptor <*Accptr*>	[0..1]	±		826
	Payer <*Pyer*>	[0..1]	±		826
	Payee <*Pyee*>	[0..1]	±		826
	Terminal <*Termnl*>	[0..1]	±		827
	Card <*Card*>	[1..1]	±		827
	Wallet <*Wllt*>	[0..1]	±		827
	Token <*Tkn*>	[0..1]	±		828
	Context <*Cntxt*>	[0..1]			828
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		828
	TransactionContext <*TxCntxt*>	[0..1]	±		829
	Transaction <*Tx*>	[1..1]			830

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageReason <*MsgRsn*>	[0..*]	Text		830
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		831
	TransactionIdentification <*TxId*>	[1..1]	±		831
	TransactionAmounts <*TxAmts*>	[1..1]	±		831
	DisputeData <*DsptData*>	[1..1]	±		832
	AdditionalFees <*AddtlFees*>	[0..*]	±		832
	AdditionalInformation <*AddtlInf*>	[0..1]	±		833
	AdditionalData <*AddtlData*>	[0..*]			833
	Type <*Tp*>	[0..1]	Text		833
	Value <*Val*>	[0..1]	Text		834
	OriginalTransaction <*OrgnlTx*>	[1..1]			834
	Environment <*Envt*>	[0..1]	±		834
	Context <*Cntxt*>	[0..1]	±		835
	Transaction <*Tx*>	[0..1]	±		836
	ProcessingResult <*PrcgRslt*>	[0..1]	±		836
	ProcessingResult <*PrcgRslt*>	[0..1]			837
	ResultData <*RsltData*>	[0..1]	±		837
	AdditionalInformation <*AddtlInf*>	[0..*]	±		838
	ProtectedData <*PrtctdData*>	[0..*]	±		838
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	841
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		841

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 **Header40** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		819
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		820
	ExchangeIdentification <*XchgId*>	[0..1]	Text		820
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		820
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		820
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		820
	InitiatingParty <*InitgPty*>	[1..1]	±		820
	RecipientParty <*RcptPty*>	[0..1]	±		821
	TraceData <*TracData*>	[0..*]			821
	Type <*Tp*>	[0..1]	Text		822
	Value <*Val*>	[0..1]	Text		822
	Traceability <*Tracblt*>	[0..*]	±		822

36.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction20Code" on page 1600

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.

CodeName	Name	Definition
STNO	StatusNotification	Notification about the status of a transaction.

36.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

36.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

36.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

36.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

36.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

36.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

36.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

36.4.1.9 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		822
	Value <*Val*>	[0..1]	Text		822

36.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

36.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

36.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			824
	Acquirer <*Acqrr*>	[1..1]	±		824
	Sender <*Sndr*>	[0..1]	±		825
	Receiver <*Rcvr*>	[0..1]	±		825
	Acceptor <*Accptr*>	[0..1]	±		826
	Payer <*Pyer*>	[0..1]	±		826
	Payee <*Pyee*>	[0..1]	±		826
	Terminal <*Termnl*>	[0..1]	±		827
	Card <*Card*>	[1..1]	±		827
	Wallet <*Wllt*>	[0..1]	±		827
	Token <*Tkn*>	[0..1]	±		828
	Context <*Cntxt*>	[0..1]			828
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		828
	TransactionContext <*TxCntxt*>	[0..1]	±		829
	Transaction <*Tx*>	[1..1]			830
	MessageReason <*MsgRsn*>	[0..*]	Text		830
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		831
	TransactionIdentification <*TxId*>	[1..1]	±		831
	TransactionAmounts <*TxAmts*>	[1..1]	±		831
	DisputeData <*DsptData*>	[1..1]	±		832
	AdditionalFees <*AddtlFees*>	[0..*]	±		832
	AdditionalInformation <*AddtlInf*>	[0..1]	±		833
	AdditionalData <*AddtlData*>	[0..*]			833
	Type <*Tp*>	[0..1]	Text		833
	Value <*Val*>	[0..1]	Text		834
	OriginalTransaction <*OrgnlTx*>	[1..1]			834
	Environment <*Envt*>	[0..1]	±		834
	Context <*Cntxt*>	[0..1]	±		835
	Transaction <*Tx*>	[0..1]	±		836
	ProcessingResult <*PrcgRslt*>	[0..1]	±		836
	ProcessingResult <*PrcgRslt*>	[0..1]			837

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]	±		837
	AdditionalInformation <*AddtlInf*>	[0..*]	±		838
	ProtectedData <*PrtctdData*>	[0..*]	±		838
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	841

36.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the chargeback.

Environment <Envt> contains the following **Environment13** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Acquirer <*Acqrr*>	[1..1]	±		824
	Sender <*Sndr*>	[0..1]	±		825
	Receiver <*Rcvr*>	[0..1]	±		825
	Acceptor <*Accptr*>	[0..1]	±		826
	Payer <*Pyer*>	[0..1]	±		826
	Payee <*Pyee*>	[0..1]	±		826
	Terminal <*Termnl*>	[0..1]	±		827
	Card <*Card*>	[1..1]	±		827
	Wallet <*Wllt*>	[0..1]	±		827
	Token <*Tkn*>	[0..1]	±		828

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1320 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1015 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1016
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1016
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1016
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1016
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1017
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1017
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1017

36.4.2.1.9 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		828
	TransactionContext <*TxCntxt*>	[0..1]	±		829

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 1360 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1360
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1361
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1361
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1361
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1362
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1362
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1362
	ECommerceData <*EComrcData*>	[0..*]			1362
	Type <*Tp*>	[1..1]	Text		1363
	Value <*Val*>	[1..1]	Text		1363
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1363
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1363
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1364
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1364
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1365
	CardDataEntryMode <*CardDataNtryMd*>	[0..1]	CodeSet		1365
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1366
	StorageLocation <*StorgLctn*>	[0..1]	Text		1366
	SpecialConditions <*SpclConds*>	[0..*]			1366
	Identification <*Id*>	[0..1]	Text		1366
	Value <*Val*>	[0..1]	Text		1366

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 1070 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1070
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1070
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1070
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1071
	SettlementService <*SttlmSvc*>	[0..1]	±		1071
	Reconciliation <*Rcncltn*>	[0..1]	±		1072
	CaptureDate <*CaptrDt*>	[0..1]	Date		1073

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		830
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		831
	TransactionIdentification <*TxId*>	[1..1]	±		831
	TransactionAmounts <*TxAmts*>	[1..1]	±		831
	DisputeData <*DsptData*>	[1..1]	±		832
	AdditionalFees <*AddtlFees*>	[0..*]	±		832
	AdditionalInformation <*AddtlInf*>	[0..1]	±		833
	AdditionalData <*AddtlData*>	[0..*]			833
	Type <*Tp*>	[0..1]	Text		833
	Value <*Val*>	[0..1]	Text		834

36.4.2.3.1 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 1635

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 1640

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 1408 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

36.4.2.3.4 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Transaction amounts.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts1" on page 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		1271
	DisputeCondition <*DsptCond*>	[0..1]	Text		1271
	DisputeStatus <*DsptSts*>	[0..1]	Text		1271
	PartialDispute <*PrtlDspt*>	[0..1]	Indicator		1271
	DisputeReference <*DsptRef*>	[0..*]	±		1271
	DocumentationStatus <*DcmnttnSts*>	[0..1]	Text		1272
	AdditionalDisputeData <*AddtlDsptData*>	[0..1]	Text		1272
	DisputeRejectReason <*DsptRjctRsn*>	[0..*]	Text		1272
	ChargebackEligibility <*ChrgbckElgblty*>	[0..1]	Text		1272

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1296 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1297
	OtherRecipient <*OthrRcpt*>	[0..1]	Text		1297
	Target <*Trgt*>	[0..*]	CodeSet		1297
	OtherTarget <*OthrTrgt*>	[0..1]	Text		1298
	Format <*Frmt*>	[0..1]	CodeSet		1298
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1298
	Type <*Tp*>	[0..1]	Text		1299
	Value <*Val*>	[1..1]	Text		1299

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		833
	Value <*Val*>	[0..1]	Text		834

36.4.2.3.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

36.4.2.3.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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]	±		834
	Context <*Cntxt*>	[0..1]	±		835
	Transaction <*Tx*>	[0..1]	±		836
	ProcessingResult <*PrcgRslt*>	[0..1]	±		836

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 1237 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Acquirer <*Acqrr*>	[0..1]	±		1238
	Sender <*Sndr*>	[0..1]	±		1239
	Receiver <*Rcvr*>	[0..1]	±		1239
	Acceptor <*Accptr*>	[0..1]	±		1239
	Payer <*Pyer*>	[0..1]	±		1240
	Payee <*Pyee*>	[0..1]	±		1240
	Terminal <*Termnl*>	[0..1]			1241
	TerminalIdentification <*TermnlId*>	[0..1]	±		1241
	Capabilities <*Cpblties*>	[0..1]	±		1241
	CardholderVerificationCapability <*CrdhldrVrfctnCpblty*>	[0..*]	±		1242
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1242
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1243
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1243
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1243
	POIComponent <*POICmpnt*>	[0..*]	±		1244
	Card <*Card*>	[1..1]	±		1246
	CustomerDevice <*CstmrDvc*>	[0..1]	±		1246
	Wallet <*Wllt*>	[0..1]	±		1247
	Token <*Tkn*>	[0..1]	±		1247
	Cardholder <*Crdhldr*>	[0..1]	±		1247

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 1258 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <*PtOfSvcCntxt*>	[0..1]	±		1259
	TransactionContext <*TxCntxt*>	[1..1]	±		1260
	Verification <*Vrfctn*>	[0..*]	±		1261
	RiskContext <*RskCntxt*>	[0..1]	±		1261
	SaleContext <*SaleCntxt*>	[0..1]	±		1262

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 1079 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionType <*TxTp*>	[0..1]	Text		1080
	TransactionSubType <*TxSubTp*>	[0..1]	Text		1080
	AdditionalService <*AddtlSvc*>	[0..*]	±		1081
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		1081
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		1082
	MessageReason <*MsgRsn*>	[0..*]	Text		1082
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		1082
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		1082
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		1082
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		1082
	TransactionIdentification <*TxId*>	[0..1]	±		1083
	DisputeData <*DsptData*>	[0..*]	±		1083
	TransactionAmounts <*TxAmts*>	[0..1]	±		1084
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		1084
	AdditionalFees <*AddtlFees*>	[0..*]	±		1085
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		1085
	DepositDetails <*DpstDtls*>	[0..*]	±		1086
	FundsServices <*FndsSvcs*>	[0..1]	±		1086
	AccountFrom <*AcctFr*>	[0..1]	±		1086
	AccountTo <*AcctTo*>	[0..1]	±		1086
	TransactionDescription <*TxDesc*>	[0..1]	Text		1087
	AdditionalData <*AddtlData*>	[0..*]			1087
	Type <*Tp*>	[0..1]	Text		1087
	Value <*Val*>	[0..1]	Text		1087

36.4.2.4.4 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 1519 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1520
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1520
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1520
	ResultData <*RsltData*>	[0..1]	±		1521
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1521
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1521
	Action <*Actn*>	[0..*]	±		1522
	AdditionalAction <*AddtlActn*>	[0..*]	±		1522
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1523

36.4.2.5 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Result of the chargeback verification provided in the chargeback status.

ProcessingResult <PrcgRslt> contains the following **ProcessingResult8** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]	±		837
	AdditionalInformation <*AddtlInf*>	[0..*]	±		838

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 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

36.4.2.5.2 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 1296 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1297
	OtherRecipient <*OthrRcpt*>	[0..1]	Text		1297
	Target <*Trgt*>	[0..*]	CodeSet		1297
	OtherTarget <*OthrTrgt*>	[0..1]	Text		1298
	Format <*Frmt*>	[0..1]	CodeSet		1298
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1298
	Type <*Tp*>	[0..1]	Text		1299
	Value <*Val*>	[1..1]	Text		1299

36.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

37 DRAFT5cain.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]			845
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		846
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		846
	ExchangeIdentification <*XchgId*>	[0..1]	Text		847
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		847
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		847
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		847
	InitiatingParty <*InitgPty*>	[1..1]	±		847
	RecipientParty <*RcptPty*>	[0..1]	±		848
	TraceData <*TracData*>	[0..*]			848
	Type <*Tp*>	[0..1]	Text		849
	Value <*Val*>	[0..1]	Text		849
	Traceability <*Tracblt*>	[0..*]	±		849
	Body <*Body*>	[1..1]			849
	Environment <*Envt*>	[1..1]			850
	Acquirer <*Acqrr*>	[1..1]	±		851
	Sender <*Sndr*>	[0..1]	±		851
	Receiver <*Rcvr*>	[0..1]	±		852
	Acceptor <*Accptr*>	[0..1]	±		852
	Terminal <*Termnl*>	[0..1]	±		852
	Card <*Card*>	[1..1]	±		853
	Token <*Tkn*>	[0..1]	±		853
	Context <*Cntxt*>	[1..1]			853
	TransactionContext <*TxCntxt*>	[0..1]	±		854
	Transaction <*Tx*>	[1..1]			854
	MessageReason <*MsgRsn*>	[0..*]	Text		854
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		855
	TransactionIdentification <*TxId*>	[1..1]	±		855
	TransactionAmounts <*TxAmts*>	[1..1]	±		855

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	DisputeData <*DsptData*>	[1..1]	±		856
	AdditionalFees <*AddtlFees*>	[0..*]	±		856
	AdditionalInformation <*AddtlInf*>	[0..1]	±		857
	AdditionalData <*AddtlData*>	[0..*]			857
	Type <*Tp*>	[0..1]	Text		857
	Value <*Val*>	[0..1]	Text		858
	ProcessingResult <*PrcgRslt*>	[1..1]	±		858
	ProtectedData <*PrtctdData*>	[0..*]	±		858
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	861
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		861

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 **Header40** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		846
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		846
	ExchangeIdentification <*XchgId*>	[0..1]	Text		847
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		847
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		847
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		847
	InitiatingParty <*InitgPty*>	[1..1]	±		847
	RecipientParty <*RcptPty*>	[0..1]	±		848
	TraceData <*TracData*>	[0..*]			848
	Type <*Tp*>	[0..1]	Text		849
	Value <*Val*>	[0..1]	Text		849
	Traceability <*Tracblt*>	[0..*]	±		849

37.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction20Code" on page 1600

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.

37.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

37.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

37.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

37.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

37.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

37.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

37.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

37.4.1.9 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		849
	Value <*Val*>	[0..1]	Text		849

37.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

37.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

37.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

37.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of a chargeback.

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Body <Body> contains the following **ChargeBackResponse1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Environment <*Envt*>	[1..1]			850
	Acquirer <*Acqrr*>	[1..1]	±		851
	Sender <*Sndr*>	[0..1]	±		851
	Receiver <*Rcvr*>	[0..1]	±		852
	Acceptor <*Accptr*>	[0..1]	±		852
	Terminal <*Termnl*>	[0..1]	±		852
	Card <*Card*>	[1..1]	±		853
	Token <*Tkn*>	[0..1]	±		853
	Context <*Cntxt*>	[1..1]			853
	TransactionContext <*TxCntxt*>	[0..1]	±		854
	Transaction <*Tx*>	[1..1]			854
	MessageReason <*MsgRsn*>	[0..*]	Text		854
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		855
	TransactionIdentification <*TxId*>	[1..1]	±		855
	TransactionAmounts <*TxAmts*>	[1..1]	±		855
	DisputeData <*DsptData*>	[1..1]	±		856
	AdditionalFees <*AddtlFees*>	[0..*]	±		856
	AdditionalInformation <*AddtlInf*>	[0..1]	±		857
	AdditionalData <*AddtlData*>	[0..*]			857
	Type <*Tp*>	[0..1]	Text		857
	Value <*Val*>	[0..1]	Text		858
	ProcessingResult <*PrcgRslt*>	[1..1]	±		858
	ProtectedData <*PrtctdData*>	[0..*]	±		858
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	861

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]	±		851
	Sender <*Sndr*>	[0..1]	±		851
	Receiver <*Rcvr*>	[0..1]	±		852
	Acceptor <*Accptr*>	[0..1]	±		852
	Terminal <*Termnl*>	[0..1]	±		852
	Card <*Card*>	[1..1]	±		853
	Token <*Tkn*>	[0..1]	±		853

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1376 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

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 1015 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1016
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1016
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1016
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1016
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1017
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1017
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1017

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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]	±		854

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 1073 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[0..1]	Text		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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		854
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		855
	TransactionIdentification <*TxId*>	[1..1]	±		855
	TransactionAmounts <*TxAmts*>	[1..1]	±		855
	DisputeData <*DsptData*>	[1..1]	±		856
	AdditionalFees <*AddtlFees*>	[0..*]	±		856
	AdditionalInformation <*AddtlInf*>	[0..1]	±		857
	AdditionalData <*AddtlData*>	[0..*]			857
	Type <*Tp*>	[0..1]	Text		857
	Value <*Val*>	[0..1]	Text		858

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 1635

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 1640

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 1408 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

37.4.2.3.4 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Transaction amounts.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts1" on page 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		1271
	DisputeCondition <*DsptCond*>	[0..1]	Text		1271
	DisputeStatus <*DsptSts*>	[0..1]	Text		1271
	PartialDispute <*PrtlDspt*>	[0..1]	Indicator		1271
	DisputeReference <*DsptRef*>	[0..*]	±		1271
	DocumentationStatus <*DcmnttnSts*>	[0..1]	Text		1272
	AdditionalDisputeData <*AddtlDsptData*>	[0..1]	Text		1272
	DisputeRejectReason <*DsptRjctRsn*>	[0..*]	Text		1272
	ChargebackEligibility <*ChrgbckElgblty*>	[0..1]	Text		1272

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1296 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1297
	OtherRecipient <*OthrRcpt*>	[0..1]	Text		1297
	Target <*Trgt*>	[0..*]	CodeSet		1297
	OtherTarget <*OthrTrgt*>	[0..1]	Text		1298
	Format <*Frmt*>	[0..1]	CodeSet		1298
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1298
	Type <*Tp*>	[0..1]	Text		1299
	Value <*Val*>	[1..1]	Text		1299

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		857
	Value <*Val*>	[0..1]	Text		858

37.4.2.3.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

37.4.2.3.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

37.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Result of the chargeback verification provided in the chargeback status.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult7" on page 1506 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]	±		1507
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1507
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1507

37.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

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38.1 MessageDefinition Functionality

The NetworkManagementIInitiation 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> <NtwkMgmtInitn>	[1..1]			
	Header <*Hdr*>	[1..1]			865
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		866
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		866
	ExchangeIdentification <*XchgId*>	[0..1]	Text		866
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		866
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		866
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		866
	InitiatingParty <*InitgPty*>	[1..1]	±		867
	RecipientParty <*RcptPty*>	[0..1]	±		867
	TraceData <*TracData*>	[0..*]			868
	Type <*Tp*>	[0..1]	Text		868
	Value <*Val*>	[0..1]	Text		868
	Traceability <*Tracblt*>	[0..*]	±		868
	Body <*Body*>	[1..1]			868
	Context <*Cntxt*>	[0..1]			869
	TransactionContext <*TxCntxt*>	[0..1]			869
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		870
	Transaction <*Tx*>	[1..1]			870
	NetworkManagementType <*NtwkMgmtTp*>	[0..1]	CodeSet		870
	OtherNetworkManagementType <*OthrNtwkMgmtTp*>	[0..1]	Text		871
	MessageReason <*MsgRsn*>	[0..*]	Text		871
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		872
	TransactionIdentification <*TxId*>	[1..1]	±		872
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		872
	MaximumNumberOfMessages <*MaxNbOfMsgs*>	[0..1]	Quantity		872
	AdditionalFees <*AddtlFees*>	[0..*]	±		872
	TransactionDescription <*TxDesc*>	[0..1]	Text		873
	AdditionalData <*AddtlData*>	[0..*]			873
	Type <*Tp*>	[0..1]	Text		873

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Value <*Val*>	[0..1]	Text		873
	ProcessingResult <*PrcgRslt*>	[0..1]	±		873
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	874
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		874

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 **Header43** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		866
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		866
	ExchangeIdentification <*XchgId*>	[0..1]	Text		866
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		866
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		866
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		866
	InitiatingParty <*InitgPty*>	[1..1]	±		867
	RecipientParty <*RcptPty*>	[0..1]	±		867
	TraceData <*TracData*>	[0..*]			868
	Type <*Tp*>	[0..1]	Text		868
	Value <*Val*>	[0..1]	Text		868
	Traceability <*Tracblt*>	[0..*]	±		868

38.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction23Code" on page 1601

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.

38.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

38.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

38.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

38.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

38.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

38.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

38.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

38.4.1.9 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		868
	Value <*Val*>	[0..1]	Text		868

38.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

38.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

38.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			869
	TransactionContext <*TxCntxt*>	[0..1]			869
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		870
	Transaction <*Tx*>	[1..1]			870
	NetworkManagementType <*NtwkMgmtTp*>	[0..1]	CodeSet		870
	OtherNetworkManagementType <*OthrNtwkMgmtTp*>	[0..1]	Text		871
	MessageReason <*MsgRsn*>	[0..*]	Text		871
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		872
	TransactionIdentification <*TxId*>	[1..1]	±		872
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		872
	MaximumNumberOfMessages <*MaxNbOfMsgs*>	[0..1]	Quantity		872
	AdditionalFees <*AddtlFees*>	[0..*]	±		872
	TransactionDescription <*TxDesc*>	[0..1]	Text		873
	AdditionalData <*AddtlData*>	[0..*]			873
	Type <*Tp*>	[0..1]	Text		873
	Value <*Val*>	[0..1]	Text		873
	ProcessingResult <*PrcgRslt*>	[0..1]	±		873
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	874

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]			869
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		870

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]	±		870

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		870
	OtherNetworkManagementType <*OthrNtwkMgmtTp*>	[0..1]	Text		871
	MessageReason <*MsgRsn*>	[0..*]	Text		871
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		872
	TransactionIdentification <*TxId*>	[1..1]	±		872
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		872
	MaximumNumberOfMessages <*MaxNbOfMsgs*>	[0..1]	Quantity		872
	AdditionalFees <*AddtlFees*>	[0..*]	±		872
	TransactionDescription <*TxDesc*>	[0..1]	Text		873
	AdditionalData <*AddtlData*>	[0..*]			873
	Type <*Tp*>	[0..1]	Text		873
	Value <*Val*>	[0..1]	Text		873

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 1603

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 1640

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 1635

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 1640

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 1404 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

38.4.2.2.6 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages in the store and forward queue.

Datatype: "Number" on page 1633

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 1633

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1635

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		873
	Value <*Val*>	[0..1]	Text		873

38.4.2.2.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

38.4.2.2.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1523 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1523
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1524
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1524
	ResultData <*RsltData*>	[0..1]	±		1524
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1525
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1525
	Action <*Actn*>	[0..*]	±		1526
	AdditionalAction <*AddtlActn*>	[0..*]	±		1526
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1526

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

39 DRAFT5canm.002.001.02 NetworkManagementResponseV02

39.1 MessageDefinition Functionality

The NetworkManagementResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a NetworkManagementIInitiation 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]			878
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		879
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		879
	ExchangeIdentification <*XchgId*>	[0..1]	Text		879
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		879
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		879
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		879
	InitiatingParty <*InitgPty*>	[1..1]	±		880
	RecipientParty <*RcptPty*>	[0..1]	±		880
	TraceData <*TracData*>	[0..*]			881
	Type <*Tp*>	[0..1]	Text		881
	Value <*Val*>	[0..1]	Text		881
	Traceability <*Tracblt*>	[0..*]	±		881
	Body <*Body*>	[1..1]			881
	Context <*Cntxt*>	[0..1]			882
	TransactionContext <*TxCntxt*>	[0..1]			882
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		883
	Transaction <*Tx*>	[1..1]			883
	NetworkManagementType <*NtwkMgmtTp*>	[0..1]	CodeSet		883
	OtherNetworkManagementType <*OthrNtwkMgmtTp*>	[0..1]	Text		884
	MessageReason <*MsgRsn*>	[0..*]	Text		884
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		885
	TransactionIdentification <*TxId*>	[1..1]	±		885
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		885
	MaximumNumberOfMessages <*MaxNbOfMsgs*>	[0..1]	Quantity		885
	AdditionalFees <*AddtlFees*>	[0..*]	±		885
	TransactionDescription <*TxDesc*>	[0..1]	Text		886
	AdditionalData <*AddtlData*>	[0..*]			886
	Type <*Tp*>	[0..1]	Text		886

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Value <*Val*>	[0..1]	Text		886
	ProcessingResult <*PrcgRslt*>	[1..1]	±		886
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	887
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		887

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 **Header43** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		879
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		879
	ExchangeIdentification <*XchgId*>	[0..1]	Text		879
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		879
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		879
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		879
	InitiatingParty <*InitgPty*>	[1..1]	±		880
	RecipientParty <*RcptPty*>	[0..1]	±		880
	TraceData <*TracData*>	[0..*]			881
	Type <*Tp*>	[0..1]	Text		881
	Value <*Val*>	[0..1]	Text		881
	Traceability <*Tracblt*>	[0..*]	±		881

39.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction23Code" on page 1601

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.

39.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

39.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

39.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

39.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

39.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

39.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

39.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

39.4.1.9 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		881
	Value <*Val*>	[0..1]	Text		881

39.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

39.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

39.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			882
	TransactionContext <*TxCntxt*>	[0..1]			882
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		883
	Transaction <*Tx*>	[1..1]			883
	NetworkManagementType <*NtwkMgmtTp*>	[0..1]	CodeSet		883
	OtherNetworkManagementType <*OthrNtwkMgmtTp*>	[0..1]	Text		884
	MessageReason <*MsgRsn*>	[0..*]	Text		884
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		885
	TransactionIdentification <*TxId*>	[1..1]	±		885
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		885
	MaximumNumberOfMessages <*MaxNbOfMsgs*>	[0..1]	Quantity		885
	AdditionalFees <*AddtlFees*>	[0..*]	±		885
	TransactionDescription <*TxDesc*>	[0..1]	Text		886
	AdditionalData <*AddtlData*>	[0..*]			886
	Type <*Tp*>	[0..1]	Text		886
	Value <*Val*>	[0..1]	Text		886
	ProcessingResult <*PrcgRslt*>	[1..1]	±		886
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	887

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]			882
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		883

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 <*CardPrgrmmApId*>	[0..1]	±		883

39.4.2.1.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		883
	OtherNetworkManagementType <*OthrNtwkMgmtTp*>	[0..1]	Text		884
	MessageReason <*MsgRsn*>	[0..*]	Text		884
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		885
	TransactionIdentification <*TxId*>	[1..1]	±		885
	NumberOfMessages <*NbOfMsgs*>	[0..1]	Quantity		885
	MaximumNumberOfMessages <*MaxNbOfMsgs*>	[0..1]	Quantity		885
	AdditionalFees <*AddtlFees*>	[0..*]	±		885
	TransactionDescription <*TxDesc*>	[0..1]	Text		886
	AdditionalData <*AddtlData*>	[0..*]			886
	Type <*Tp*>	[0..1]	Text		886
	Value <*Val*>	[0..1]	Text		886

39.4.2.2.1 NetworkManagementType <NtwkMgmtTp>

Presence: [0..1]

Definition: Type of network management service.

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ISO 8583:2003 bit 70

Datatype: "NetworkManagementType1Code" on page 1603

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 1640

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 1635

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 1640

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 1404 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

39.4.2.2.6 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages in the store and forward queue.

Datatype: "Number" on page 1633

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 1633

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1635

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		886
	Value <*Val*>	[0..1]	Text		886

39.4.2.2.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

39.4.2.2.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1523 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1523
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1524
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1524
	ResultData <*RsltData*>	[0..1]	±		1524
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1525
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1525
	Action <*Actn*>	[0..*]	±		1526
	AdditionalAction <*AddtlActn*>	[0..*]	±		1526
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1526

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

40 DRAFT5canm.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> <KeyXchgInitn>	[1..1]			
	Header <*Hdr*>	[1..1]			891
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		892
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		892
	ExchangeIdentification <*XchgId*>	[0..1]	Text		892
	RetransmissionCounter <*RtrnsmssnCntr*>	[0..1]	Text		892
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		893
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		893
	InitiatingParty <*InitgPty*>	[1..1]	±		893
	RecipientParty <*RcptPty*>	[0..1]	±		893
	TraceData <*TracData*>	[0..*]			894
	Type <*Tp*>	[0..1]	Text		894
	Value <*Val*>	[0..1]	Text		894
	Traceability <*Tracblt*>	[0..*]	±		894
	Body <*Body*>	[1..1]			895
	Context <*Cntxt*>	[0..1]			896
	TransactionContext <*TxCntxt*>	[0..1]			897
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		897
	Transaction <*Tx*>	[1..1]			897
	KeyExchangeFunction <*KeyXchgFctn*>	[1..1]	CodeSet		898
	OtherKeyExchangeFunction <*OthrKeyXchgFctn*>	[0..1]	Text		899
	MessageReason <*MsgRsn*>	[0..*]	Text		899
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		899
	TransactionIdentification <*TxId*>	[1..1]	±		899
	KeyExchangeType <*KeyXchgTp*>	[0..1]	CodeSet		899
	OtherKeyExchangeType <*OthrKeyXchgTp*>	[0..1]	Text		900
	KeyExchangeData <*KeyXchgData*>	[0..1]			900
	Control <*Ctrl*>	[0..1]	Text		900
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		901
	DerivedInformation <*DrvdInf*>	[0..1]	Text		901

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[0..1]	Text		901
	KeyLength <*KeyLngth*>	[0..1]	Text		901
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		901
	KeyIndex <*KeyIndx*>	[0..1]	Text		902
	EncryptedData <*NcrptdData*>	[0..1]	Text		902
	KeyChecksumValue <*KeyChcksmVal*>	[0..1]	Text		902
	AdditionalFees <*AddtlFees*>	[0..*]	±		902
	AdditionalData <*AddtlData*>	[0..*]			902
	Type <*Tp*>	[0..1]	Text		903
	Value <*Val*>	[0..1]	Text		903
	ProtectedData <*PrtctdData*>	[0..*]	±		903
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	906
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		906

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 **Header44** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		892
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		892
	ExchangeIdentification <*XchgId*>	[0..1]	Text		892
	RetransmissionCounter <*RtrnsmssnCntr*>	[0..1]	Text		892
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		893
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		893
	InitiatingParty <*InitgPty*>	[1..1]	±		893
	RecipientParty <*RcptPty*>	[0..1]	±		893
	TraceData <*TracData*>	[0..*]			894
	Type <*Tp*>	[0..1]	Text		894
	Value <*Val*>	[0..1]	Text		894
	Traceability <*Tracblt*>	[0..*]	±		894

40.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction25Code" on page 1601

CodeName	Name	Definition
REQU	Request	Message function is a request.

40.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

40.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

40.4.1.4 RetransmissionCounter <RtrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

40.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

40.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

40.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

40.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

40.4.1.9 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		894
	Value <*Val*>	[0..1]	Text		894

40.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

40.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

40.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			896
	TransactionContext <*TxCntxt*>	[0..1]			897
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		897
	Transaction <*Tx*>	[1..1]			897
	KeyExchangeFunction <*KeyXchgFctn*>	[1..1]	CodeSet		898
	OtherKeyExchangeFunction <*OthrKeyXchgFctn*>	[0..1]	Text		899
	MessageReason <*MsgRsn*>	[0..*]	Text		899
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		899
	TransactionIdentification <*TxId*>	[1..1]	±		899
	KeyExchangeType <*KeyXchgTp*>	[0..1]	CodeSet		899
	OtherKeyExchangeType <*OthrKeyXchgTp*>	[0..1]	Text		900
	KeyExchangeData <*KeyXchgData*>	[0..1]			900
	Control <*Ctrl*>	[0..1]	Text		900
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		901
	DerivedInformation <*DrvdInf*>	[0..1]	Text		901
	Algorithm <*Algo*>	[0..1]	Text		901
	KeyLength <*KeyLngth*>	[0..1]	Text		901
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		901
	KeyIndex <*KeyIndx*>	[0..1]	Text		902
	EncryptedData <*NcrptdData*>	[0..1]	Text		902
	KeyChecksumValue <*KeyChcksmVal*>	[0..1]	Text		902
	AdditionalFees <*AddtlFees*>	[0..*]	±		902
	AdditionalData <*AddtlData*>	[0..*]			902
	Type <*Tp*>	[0..1]	Text		903
	Value <*Val*>	[0..1]	Text		903
	ProtectedData <*PrtctdData*>	[0..*]	±		903
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	906

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]			897
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		897

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 <*CardPrgrmmApId*>	[0..1]	±		897

40.4.2.1.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		898
	OtherKeyExchangeFunction <*OthrKeyXchgFctn*>	[0..1]	Text		899
	MessageReason <*MsgRsn*>	[0..*]	Text		899
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		899
	TransactionIdentification <*TxId*>	[1..1]	±		899
	KeyExchangeType <*KeyXchgTp*>	[0..1]	CodeSet		899
	OtherKeyExchangeType <*OthrKeyXchgTp*>	[0..1]	Text		900
	KeyExchangeData <*KeyXchgData*>	[0..1]			900
	Control <*Ctrl*>	[0..1]	Text		900
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		901
	DerivedInformation <*DrvdInf*>	[0..1]	Text		901
	Algorithm <*Algo*>	[0..1]	Text		901
	KeyLength <*KeyLngth*>	[0..1]	Text		901
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		901
	KeyIndex <*KeyIndx*>	[0..1]	Text		902
	EncryptedData <*NcrptdData*>	[0..1]	Text		902
	KeyChecksumValue <*KeyChcksmVal*>	[0..1]	Text		902
	AdditionalFees <*AddtlFees*>	[0..*]	±		902
	AdditionalData <*AddtlData*>	[0..*]			902
	Type <*Tp*>	[0..1]	Text		903
	Value <*Val*>	[0..1]	Text		903

40.4.2.2.1 KeyExchangeFunction <KeyXchgFctn>

Presence: [1..1]

Definition: Type of key exchange function being performed.

Datatype: "CardServiceType5Code" on page 1579

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 1640

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 1635

40.4.2.2.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

Definition: Alternate reason to send a message.

Datatype: "Max35Text" on page 1640

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 1404 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

40.4.2.2.6 KeyExchangeType <KeyXchgTp>

Presence: [0..1]

Definition: Defines the type of key being exchanged.

Datatype: "KeyType1Code" on page 1594

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 1640

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		900
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		901
	DerivedInformation <*DrvdInf*>	[0..1]	Text		901
	Algorithm <*Algo*>	[0..1]	Text		901
	KeyLength <*KeyLngth*>	[0..1]	Text		901
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		901
	KeyIndex <*KeyIndx*>	[0..1]	Text		902
	EncryptedData <*NcrptdData*>	[0..1]	Text		902
	KeyChecksumValue <*KeyChcksmVal*>	[0..1]	Text		902

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 1634

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 1643

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 1639

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 1639

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 1641

40.4.2.2.8.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 1639

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 1641

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 1643

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 1643

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		903
	Value <*Val*>	[0..1]	Text		903

40.4.2.2.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

40.4.2.2.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

40.4.2.3 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

41 DRAFT5canm.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]			910
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		911
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		911
	ExchangeIdentification <*XchgId*>	[0..1]	Text		911
	RetransmissionCounter <*RtrnsmssnCntr*>	[0..1]	Text		911
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		912
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		912
	InitiatingParty <*InitgPty*>	[1..1]	±		912
	RecipientParty <*RcptPty*>	[0..1]	±		912
	TraceData <*TracData*>	[0..*]			913
	Type <*Tp*>	[0..1]	Text		913
	Value <*Val*>	[0..1]	Text		913
	Traceability <*Tracblt*>	[0..*]	±		913
	Body <*Body*>	[1..1]			914
	Context <*Cntxt*>	[0..1]			915
	TransactionContext <*TxCntxt*>	[0..1]			916
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		916
	Transaction <*Tx*>	[1..1]			916
	KeyExchangeFunction <*KeyXchgFctn*>	[1..1]	CodeSet		917
	OtherKeyExchangeFunction <*OthrKeyXchgFctn*>	[0..1]	Text		918
	MessageReason <*MsgRsn*>	[0..*]	Text		918
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		918
	TransactionIdentification <*TxId*>	[1..1]	±		918
	KeyExchangeType <*KeyXchgTp*>	[0..1]	CodeSet		918
	OtherKeyExchangeType <*OthrKeyXchgTp*>	[0..1]	Text		919
	KeyExchangeData <*KeyXchgData*>	[0..1]			919
	Control <*Ctrl*>	[0..1]	Text		919
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		920
	DerivedInformation <*DrvdInf*>	[0..1]	Text		920

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[0..1]	Text		920
	KeyLength <*KeyLngth*>	[0..1]	Text		920
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		920
	KeyIndex <*KeyIndx*>	[0..1]	Text		921
	EncryptedData <*NcrptdData*>	[0..1]	Text		921
	KeyChecksumValue <*KeyChcksmVal*>	[0..1]	Text		921
	AdditionalFees <*AddtlFees*>	[0..*]	±		921
	AdditionalData <*AddtlData*>	[0..*]			921
	Type <*Tp*>	[0..1]	Text		922
	Value <*Val*>	[0..1]	Text		922
	ProcessingResult <*PrcgRslt*>	[1..1]	±		922
	ProtectedData <*PrtctdData*>	[0..*]	±		922
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	925
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		925

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 **Header44** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		911
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		911
	ExchangeIdentification <*XchgId*>	[0..1]	Text		911
	RetransmissionCounter <*RtrnsmssnCntr*>	[0..1]	Text		911
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		912
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		912
	InitiatingParty <*InitgPty*>	[1..1]	±		912
	RecipientParty <*RcptPty*>	[0..1]	±		912
	TraceData <*TracData*>	[0..*]			913
	Type <*Tp*>	[0..1]	Text		913
	Value <*Val*>	[0..1]	Text		913
	Traceability <*Tracblt*>	[0..*]	±		913

41.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction25Code" on page 1601

CodeName	Name	Definition
REQU	Request	Message function is a request.

41.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

41.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

41.4.1.4 RetransmissionCounter <RtrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

41.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

41.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

41.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

41.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

41.4.1.9 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		913
	Value <*Val*>	[0..1]	Text		913

41.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

41.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

41.4.1.10 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 <TracbIt> contains the following elements (see "Traceability7" on page 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			915
	TransactionContext <*TxCntxt*>	[0..1]			916
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		916
	Transaction <*Tx*>	[1..1]			916
	KeyExchangeFunction <*KeyXchgFctn*>	[1..1]	CodeSet		917
	OtherKeyExchangeFunction <*OthrKeyXchgFctn*>	[0..1]	Text		918
	MessageReason <*MsgRsn*>	[0..*]	Text		918
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		918
	TransactionIdentification <*TxId*>	[1..1]	±		918
	KeyExchangeType <*KeyXchgTp*>	[0..1]	CodeSet		918
	OtherKeyExchangeType <*OthrKeyXchgTp*>	[0..1]	Text		919
	KeyExchangeData <*KeyXchgData*>	[0..1]			919
	Control <*Ctrl*>	[0..1]	Text		919
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		920
	DerivedInformation <*DrvdInf*>	[0..1]	Text		920
	Algorithm <*Algo*>	[0..1]	Text		920
	KeyLength <*KeyLngth*>	[0..1]	Text		920
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		920
	KeyIndex <*KeyIndx*>	[0..1]	Text		921
	EncryptedData <*NcrptdData*>	[0..1]	Text		921
	KeyChecksumValue <*KeyChcksmVal*>	[0..1]	Text		921
	AdditionalFees <*AddtlFees*>	[0..*]	±		921
	AdditionalData <*AddtlData*>	[0..*]			921
	Type <*Tp*>	[0..1]	Text		922
	Value <*Val*>	[0..1]	Text		922
	ProcessingResult <*PrcgRslt*>	[1..1]	±		922
	ProtectedData <*PrtctdData*>	[0..*]	±		922
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	925

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]			916
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		916

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 <*CardPrgrmmApId*>	[0..1]	±		916

41.4.2.1.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		917
	OtherKeyExchangeFunction <*OthrKeyXchgFctn*>	[0..1]	Text		918
	MessageReason <*MsgRsn*>	[0..*]	Text		918
	AlternateMessageReason <*AltrnMsgRsn*>	[0..1]	Text		918
	TransactionIdentification <*TxId*>	[1..1]	±		918
	KeyExchangeType <*KeyXchgTp*>	[0..1]	CodeSet		918
	OtherKeyExchangeType <*OthrKeyXchgTp*>	[0..1]	Text		919
	KeyExchangeData <*KeyXchgData*>	[0..1]			919
	Control <*Ctrl*>	[0..1]	Text		919
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		920
	DerivedInformation <*DrvdInf*>	[0..1]	Text		920
	Algorithm <*Algo*>	[0..1]	Text		920
	KeyLength <*KeyLngth*>	[0..1]	Text		920
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		920
	KeyIndex <*KeyIndx*>	[0..1]	Text		921
	EncryptedData <*NcrptdData*>	[0..1]	Text		921
	KeyChecksumValue <*KeyChcksmVal*>	[0..1]	Text		921
	AdditionalFees <*AddtlFees*>	[0..*]	±		921
	AdditionalData <*AddtlData*>	[0..*]			921
	Type <*Tp*>	[0..1]	Text		922
	Value <*Val*>	[0..1]	Text		922

41.4.2.2.1 KeyExchangeFunction <KeyXchgFctn>

Presence: [1..1]

Definition: Type of key exchange function being performed.

Datatype: "CardServiceType5Code" on page 1579

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 1640

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 1635

41.4.2.2.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

Definition: Alternate reason to send a message.

Datatype: "Max35Text" on page 1640

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 1404 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

41.4.2.2.6 KeyExchangeType <KeyXchgTp>

Presence: [0..1]

Definition: Defines the type of key being exchanged.

Datatype: "KeyType1Code" on page 1594

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 1640

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		919
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		920
	DerivedInformation <*DrvdInf*>	[0..1]	Text		920
	Algorithm <*Algo*>	[0..1]	Text		920
	KeyLength <*KeyLngth*>	[0..1]	Text		920
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		920
	KeyIndex <*KeyIndx*>	[0..1]	Text		921
	EncryptedData <*NcrptdData*>	[0..1]	Text		921
	KeyChecksumValue <*KeyChcksmVal*>	[0..1]	Text		921

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 1634

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 1643

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 1639

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 1639

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 1641

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 1639

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 1641

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 1643

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 1643

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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		922
	Value <*Val*>	[0..1]	Text		922

41.4.2.2.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

41.4.2.2.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1515 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

41.4.2.4 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

42 DRAFT5casr.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*> <*SttlmRptgInitn*>	[1..1]			
	Header <*Hdr*>	[1..1]			930
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		931
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		931
	ExchangeIdentification <*XchgId*>	[0..1]	Text		931
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		931
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		931
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		931
	InitiatingParty <*InitgPty*>	[1..1]	±		932
	RecipientParty <*RcptPty*>	[0..1]	±		932
	TraceData <*TracData*>	[0..*]			933
	Type <*Tp*>	[0..1]	Text		933
	Value <*Val*>	[0..1]	Text		933
	Traceability <*Tracblt*>	[0..*]	±		933
	Body <*Body*>	[1..1]			933
	Environment <*Envt*>	[1..1]			935
	SettlementInstitution <*SttlmInstn*>	[0..1]	±		935
	Sender <*Sndr*>	[0..1]	±		936
	Receiver <*Rcvr*>	[0..1]	±		936
	FinancialInstitution <*FI*>	[0..1]			937
	Identification <*Id*>	[1..1]	±		937
	AccountNumber <*AcctNb*>	[0..1]	Text		937
	OtherInstitution <*OthrInstn*>	[0..1]	±		937
	Context <*Cntxt*>	[0..1]			938
	TransactionContext <*TxCntxt*>	[0..1]			938
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		938
	SettlementService <*SttlmSvc*>	[0..1]	±		939
	Transaction <*Tx*>	[1..1]			939
	SettlementReportType <*SttlmRptTp*>	[1..1]	CodeSet		941
	OtherSettlementReportType <*OthrSttlmRptTp*>	[0..1]	Text		941

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageReason <*MsgRsn*>	[0..*]	Text		941
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		941
	TransactionIdentification <*TxId*>	[1..1]	±		941
	AdditionalFees <*AddtlFees*>	[0..*]	±		942
	SettlementTotals <*SttlmTtls*>	[0..1]			942
	AcquirerTotals <*AcqrrTtls*>	[0..1]			943
	Count <*Cnt*>	[0..1]	Quantity		944
	Amount <*Amt*>	[1..1]	±		944
	InterchangeFee <*IntrchngFee*>	[0..1]	±		944
	ProcessingFee <*PrcgFee*>	[0..1]	±		944
	IssuerTotals <*IssrTtls*>	[0..1]			944
	Count <*Cnt*>	[0..1]	Quantity		945
	Amount <*Amt*>	[1..1]	±		945
	InterchangeFee <*IntrchngFee*>	[0..1]	±		945
	ProcessingFee <*PrcgFee*>	[0..1]	±		945
	OtherTotals <*OthrTtls*>	[0..1]			946
	Count <*Cnt*>	[0..1]	Quantity		946
	Amount <*Amt*>	[1..1]	±		946
	InterchangeFee <*IntrchngFee*>	[0..1]	±		946
	ProcessingFee <*PrcgFee*>	[0..1]	±		947
	TotalSettlementAmount <*TtlSttlmAmt*>	[0..1]			947
	Count <*Cnt*>	[0..1]	Quantity		947
	Amount <*Amt*>	[1..1]	±		947
	InterchangeFee <*IntrchngFee*>	[0..1]	±		948
	ProcessingFee <*PrcgFee*>	[0..1]	±		948
	FundsTransferAmount <*FndsTrfAmt*>	[0..1]	±		948
	TransactionDescription <*TxDesc*>	[0..1]	Text		949
	AdditionalData <*AddtlData*>	[0..*]			949
	Type <*Tp*>	[0..1]	Text		949
	Value <*Val*>	[0..1]	Text		949
	ProtectedData <*PrtctdData*>	[0..*]	±		949

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	952
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		952

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		931
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		931
	ExchangeIdentification <*XchgId*>	[0..1]	Text		931
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		931
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		931
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		931
	InitiatingParty <*InitgPty*>	[1..1]	±		932
	RecipientParty <*RcptPty*>	[0..1]	±		932
	TraceData <*TracData*>	[0..*]			933
	Type <*Tp*>	[0..1]	Text		933
	Value <*Val*>	[0..1]	Text		933
	Traceability <*Tracblt*>	[0..*]	±		933

42.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

42.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

42.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

42.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

42.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

42.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

42.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

42.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

42.4.1.9 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		933
	Value <*Val*>	[0..1]	Text		933

42.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

42.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

42.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			935
	SettlementInstitution <*SttlmInstn*>	[0..1]	±		935
	Sender <*Sndr*>	[0..1]	±		936
	Receiver <*Rcvr*>	[0..1]	±		936
	FinancialInstitution <*FI*>	[0..1]			937
	Identification <*Id*>	[1..1]	±		937
	AccountNumber <*AcctNb*>	[0..1]	Text		937
	OtherInstitution <*OthrInstn*>	[0..1]	±		937
	Context <*Cntxt*>	[0..1]			938
	TransactionContext <*TxCntxt*>	[0..1]			938
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		938
	SettlementService <*SttlmSvc*>	[0..1]	±		939
	Transaction <*Tx*>	[1..1]			939
	SettlementReportType <*SttlmRptTp*>	[1..1]	CodeSet		941
	OtherSettlementReportType <*OthrSttlmRptTp*>	[0..1]	Text		941
	MessageReason <*MsgRsn*>	[0..*]	Text		941
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		941
	TransactionIdentification <*TxId*>	[1..1]	±		941
	AdditionalFees <*AddtlFees*>	[0..*]	±		942
	SettlementTotals <*SttlmTtls*>	[0..1]			942
	AcquirerTotals <*AcqrrTtls*>	[0..1]			943
	Count <*Cnt*>	[0..1]	Quantity		944
	Amount <*Amt*>	[1..1]	±		944
	InterchangeFee <*IntrchngFee*>	[0..1]	±		944
	ProcessingFee <*PrcgFee*>	[0..1]	±		944
	IssuerTotals <*IssrTtls*>	[0..1]			944
	Count <*Cnt*>	[0..1]	Quantity		945
	Amount <*Amt*>	[1..1]	±		945
	InterchangeFee <*IntrchngFee*>	[0..1]	±		945
	ProcessingFee <*PrcgFee*>	[0..1]	±		945
	OtherTotals <*OthrTtls*>	[0..1]			946

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Count <*Cnt*>	[0..1]	Quantity		946
	Amount <*Amt*>	[1..1]	±		946
	InterchangeFee <*IntrchngFee*>	[0..1]	±		946
	ProcessingFee <*PrcgFee*>	[0..1]	±		947
	TotalSettlementAmount <*TtlSttlmAmt*>	[0..1]			947
	Count <*Cnt*>	[0..1]	Quantity		947
	Amount <*Amt*>	[1..1]	±		947
	InterchangeFee <*IntrchngFee*>	[0..1]	±		948
	ProcessingFee <*PrcgFee*>	[0..1]	±		948
	FundsTransferAmount <*FndsTrfAmt*>	[0..1]	±		948
	TransactionDescription <*TxDesc*>	[0..1]	Text		949
	AdditionalData <*AddtlData*>	[0..*]			949
	Type <*Tp*>	[0..1]	Text		949
	Value <*Val*>	[0..1]	Text		949
	ProtectedData <*PrtctdData*>	[0..*]	±		949
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	952

42.4.2.1 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]	±		935
	Sender <*Sndr*>	[0..1]	±		936
	Receiver <*Rcvr*>	[0..1]	±		936
	FinancialInstitution <*FI*>	[0..1]			937
	Identification <*Id*>	[1..1]	±		937
	AccountNumber <*AcctNb*>	[0..1]	Text		937
	OtherInstitution <*OthrInstn*>	[0..1]	±		937

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

42.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

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Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]	±		937
	AccountNumber <*AcctNb*>	[0..1]	Text		937

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1640

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]			938
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		938
	SettlementService <*SttlmSvc*>	[0..1]	±		939

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 <*CardPrgrmmApld*>	[0..1]	±		938
	SettlementService <*SttlmSvc*>	[0..1]	±		939

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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 1498 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <*SttlmSvcApId*>	[0..1]			1499
	Type <*Tp*>	[0..1]	Text		1499
	Identification <*Id*>	[0..1]	Text		1499
	ShortName <*ShrtNm*>	[0..1]	Text		1500
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1500
	SettlementServiceDates <*SttlmSvcDts*>	[0..1]			1500
	RequestedSettlementDate <*ReqdSttlmDt*>	[0..1]	Date		1500
	SettlementDate <*SttlmDt*>	[0..1]	Date		1500
	SettlementTime <*SttlmTm*>	[0..1]	Time		1501
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1501
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1501
	SettlementReportingEntity <*SttlmRptgNtty*>	[0..1]			1501
	Type <*Tp*>	[0..1]	Text		1501
	Identification <*Id*>	[0..1]	Text		1501

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		941
	OtherSettlementReportType <*OthrSttlmRptTp*>	[0..1]	Text		941
	MessageReason <*MsgRsn*>	[0..*]	Text		941
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		941
	TransactionIdentification <*TxId*>	[1..1]	±		941
	AdditionalFees <*AddtlFees*>	[0..*]	±		942
	SettlementTotals <*SttlmTtls*>	[0..1]			942
	AcquirerTotals <*AcqrrTtls*>	[0..1]			943
	Count <*Cnt*>	[0..1]	Quantity		944
	Amount <*Amt*>	[1..1]	±		944
	InterchangeFee <*IntrchngFee*>	[0..1]	±		944
	ProcessingFee <*PrcgFee*>	[0..1]	±		944
	IssuerTotals <*IssrTtls*>	[0..1]			944
	Count <*Cnt*>	[0..1]	Quantity		945
	Amount <*Amt*>	[1..1]	±		945
	InterchangeFee <*IntrchngFee*>	[0..1]	±		945
	ProcessingFee <*PrcgFee*>	[0..1]	±		945
	OtherTotals <*OthrTtls*>	[0..1]			946
	Count <*Cnt*>	[0..1]	Quantity		946
	Amount <*Amt*>	[1..1]	±		946
	InterchangeFee <*IntrchngFee*>	[0..1]	±		946
	ProcessingFee <*PrcgFee*>	[0..1]	±		947
	TotalSettlementAmount <*TtlSttlmAmt*>	[0..1]			947
	Count <*Cnt*>	[0..1]	Quantity		947
	Amount <*Amt*>	[1..1]	±		947
	InterchangeFee <*IntrchngFee*>	[0..1]	±		948
	ProcessingFee <*PrcgFee*>	[0..1]	±		948
	FundsTransferAmount <*FndsTrfAmt*>	[0..1]	±		948
	TransactionDescription <*TxDesc*>	[0..1]	Text		949
	AdditionalData <*AddtlData*>	[0..*]			949
	Type <*Tp*>	[0..1]	Text		949

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Value <*Val*>	[0..1]	Text		949

42.4.2.3.1 SettlementReportType <SttlmRptTp>

Presence: [1..1]

Definition: Type of settlement report.

Datatype: "SettlementReportType1Code" on page 1620

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 1640

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 1635

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 1640

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 1404 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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]			943
	Count <*Cnt*>	[0..1]	Quantity		944
	Amount <*Amt*>	[1..1]	±		944
	InterchangeFee <*IntrchngFee*>	[0..1]	±		944
	ProcessingFee <*PrcgFee*>	[0..1]	±		944
	IssuerTotals <*IssrTtls*>	[0..1]			944
	Count <*Cnt*>	[0..1]	Quantity		945
	Amount <*Amt*>	[1..1]	±		945
	InterchangeFee <*IntrchngFee*>	[0..1]	±		945
	ProcessingFee <*PrcgFee*>	[0..1]	±		945
	OtherTotals <*OthrTtls*>	[0..1]			946
	Count <*Cnt*>	[0..1]	Quantity		946
	Amount <*Amt*>	[1..1]	±		946
	InterchangeFee <*IntrchngFee*>	[0..1]	±		946
	ProcessingFee <*PrcgFee*>	[0..1]	±		947
	TotalSettlementAmount <*TtlSttlmAmt*>	[0..1]			947
	Count <*Cnt*>	[0..1]	Quantity		947
	Amount <*Amt*>	[1..1]	±		947
	InterchangeFee <*IntrchngFee*>	[0..1]	±		948
	ProcessingFee <*PrcgFee*>	[0..1]	±		948

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		944
	Amount <*Amt*>	[1..1]	±		944
	InterchangeFee <*IntrchngFee*>	[0..1]	±		944
	ProcessingFee <*PrcgFee*>	[0..1]	±		944

42.4.2.3.7.1.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 1633

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

42.4.2.3.7.1.3 InterchangeFee <IntrchngFee>

Presence: [0..1]

Definition: Interchange fee amount.

InterchangeFee <IntrchngFee> contains the following elements (see "Amount14" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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		945
	Amount <*Amt*>	[1..1]	±		945
	InterchangeFee <*IntrchngFee*>	[0..1]	±		945
	ProcessingFee <*PrcgFee*>	[0..1]	±		945

42.4.2.3.7.2.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 1633

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

42.4.2.3.7.2.3 InterchangeFee <IntrchngFee>

Presence: [0..1]

Definition: Interchange fee amount.

InterchangeFee <IntrchngFee> contains the following elements (see "Amount14" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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		946
	Amount <*Amt*>	[1..1]	±		946
	InterchangeFee <*IntrchngFee*>	[0..1]	±		946
	ProcessingFee <*PrcgFee*>	[0..1]	±		947

42.4.2.3.7.3.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 1633

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

42.4.2.3.7.3.3 InterchangeFee <IntrchngFee>

Presence: [0..1]

Definition: Interchange fee amount.

InterchangeFee <IntrchngFee> contains the following elements (see "Amount14" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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		947
	Amount <*Amt*>	[1..1]	±		947
	InterchangeFee <*IntrchngFee*>	[0..1]	±		948
	ProcessingFee <*PrcgFee*>	[0..1]	±		948

42.4.2.3.7.4.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 1633

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

42.4.2.3.7.4.3 InterchangeFee <IntrchngFee>

Presence: [0..1]

Definition: Interchange fee amount.

InterchangeFee <IntrchngFee> contains the following elements (see "Amount14" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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 1635

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		949
	Value <*Val*>	[0..1]	Text		949

42.4.2.3.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

42.4.2.3.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

42.4.2.4 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

43 DRAFT5casr.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]			956
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		957
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		957
	ExchangeIdentification <*XchgId*>	[0..1]	Text		957
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		957
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		958
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		958
	InitiatingParty <*InitgPty*>	[1..1]	±		958
	RecipientParty <*RcptPty*>	[0..1]	±		958
	TraceData <*TracData*>	[0..*]			959
	Type <*Tp*>	[0..1]	Text		959
	Value <*Val*>	[0..1]	Text		959
	Traceability <*Tracblt*>	[0..*]	±		959
	Body <*Body*>	[1..1]			960
	Environment <*Envt*>	[1..1]			961
	SettlementInstitution <*SttlmInstn*>	[0..1]	±		962
	Sender <*Sndr*>	[0..1]	±		962
	Receiver <*Rcvr*>	[0..1]	±		963
	FinancialInstitution <*FI*>	[0..1]			963
	Identification <*Id*>	[1..1]	±		963
	AccountNumber <*AcctNb*>	[0..1]	Text		963
	OtherInstitution <*OthrInstn*>	[0..1]	±		964
	Context <*Cntxt*>	[0..1]			964
	TransactionContext <*TxCntxt*>	[0..1]			964
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		964
	SettlementService <*SttlmSvc*>	[0..1]	±		965
	Transaction <*Tx*>	[1..1]			965
	TransactionIdentification <*TxId*>	[1..1]	±		966
	AdditionalFees <*AddtlFees*>	[0..*]	±		966

Or	MessageElement/BuildingBlock<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionDescription <*TxDesc*>	[0..1]	Text		967
	AdditionalData <*AddtlData*>	[0..*]			967
	Type <*Tp*>	[0..1]	Text		967
	Value <*Val*>	[0..1]	Text		967
	ProcessingResult <*PrcgRslt*>	[1..1]	±		967
	ProtectedData <*PrtctdData*>	[0..*]	±		967
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	970
	SecurityTrailer <*SctyTrlr*>	[0..1]	±		970

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 **Header48** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageFunction <*MsgFctn*>	[1..1]	CodeSet		957
	ProtocolVersion <*PrtcolVrsn*>	[1..1]	Text		957
	ExchangeIdentification <*XchgId*>	[0..1]	Text		957
	ReTransmissionCounter <*ReTrnsmssnCntr*>	[0..1]	Text		957
	CreationDateTime <*CreDtTm*>	[1..1]	DateTime		958
	BatchManagementInformation <*BtchMgmtInf*>	[0..1]	±		958
	InitiatingParty <*InitgPty*>	[1..1]	±		958
	RecipientParty <*RcptPty*>	[0..1]	±		958
	TraceData <*TracData*>	[0..*]			959
	Type <*Tp*>	[0..1]	Text		959
	Value <*Val*>	[0..1]	Text		959
	Traceability <*Tracblt*>	[0..*]	±		959

43.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1602

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.

43.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1638

43.4.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1640

43.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1640

43.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1631

43.4.1.6 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 1005 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <*ColltnId*>	[0..1]	Text		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

43.4.1.7 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

43.4.1.8 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 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

43.4.1.9 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		959
	Value <*Val*>	[0..1]	Text		959

43.4.1.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

43.4.1.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

43.4.1.10 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 1286 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RelayIdentification <*RlayId*>	[1..1]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

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]			961
	SettlementInstitution <*SttlmInstn*>	[0..1]	±		962
	Sender <*Sndr*>	[0..1]	±		962
	Receiver <*Rcvr*>	[0..1]	±		963
	FinancialInstitution <*FI*>	[0..1]			963
	Identification <*Id*>	[1..1]	±		963
	AccountNumber <*AcctNb*>	[0..1]	Text		963
	OtherInstitution <*OthrInstn*>	[0..1]	±		964
	Context <*Cntxt*>	[0..1]			964
	TransactionContext <*TxCntxt*>	[0..1]			964
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		964
	SettlementService <*SttlmSvc*>	[0..1]	±		965
	Transaction <*Tx*>	[1..1]			965
	TransactionIdentification <*TxId*>	[1..1]	±		966
	AdditionalFees <*AddtlFees*>	[0..*]	±		966
	TransactionDescription <*TxDesc*>	[0..1]	Text		967
	AdditionalData <*AddtlData*>	[0..*]			967
	Type <*Tp*>	[0..1]	Text		967
	Value <*Val*>	[0..1]	Text		967
	ProcessingResult <*PrcgRslt*>	[1..1]	±		967
	ProtectedData <*PrtctdData*>	[0..*]	±		967
	SupplementaryData <*SplmtryData*>	[0..*]	±	C1	970

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]	±		962
	Sender <*Sndr*>	[0..1]	±		962
	Receiver <*Rcvr*>	[0..1]	±		963
	FinancialInstitution <*FI*>	[0..1]			963
	Identification <*Id*>	[1..1]	±		963
	AccountNumber <*AcctNb*>	[0..1]	Text		963
	OtherInstitution <*OthrInstn*>	[0..1]	±		964

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]	±		963
	AccountNumber <*AcctNb*>	[0..1]	Text		963

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1640

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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]			964
	CardProgrammeApplied <*CardPrgrmmApId*>	[0..1]	±		964
	SettlementService <*SttlmSvc*>	[0..1]	±		965

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 <*CardPrgrmmApId*>	[0..1]	±		964
	SettlementService <*SttlmSvc*>	[0..1]	±		965

43.4.2.2.1.1 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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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 1498 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <*SttlmSvcApId*>	[0..1]			1499
	Type <*Tp*>	[0..1]	Text		1499
	Identification <*Id*>	[0..1]	Text		1499
	ShortName <*ShrtNm*>	[0..1]	Text		1500
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1500
	SettlementServiceDates <*SttlmSvcDts*>	[0..1]			1500
	RequestedSettlementDate <*ReqdSttlmDt*>	[0..1]	Date		1500
	SettlementDate <*SttlmDt*>	[0..1]	Date		1500
	SettlementTime <*SttlmTm*>	[0..1]	Time		1501
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1501
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1501
	SettlementReportingEntity <*SttlmRptgNtty*>	[0..1]			1501
	Type <*Tp*>	[0..1]	Text		1501
	Identification <*Id*>	[0..1]	Text		1501

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]	±		966
	AdditionalFees <*AddtlFees*>	[0..*]	±		966
	TransactionDescription <*TxDesc*>	[0..1]	Text		967
	AdditionalData <*AddtlData*>	[0..*]			967
	Type <*Tp*>	[0..1]	Text		967
	Value <*Val*>	[0..1]	Text		967

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 1404 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 1635

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		967
	Value <*Val*>	[0..1]	Text		967

43.4.2.3.4.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

43.4.2.3.4.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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 1518 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[1..1]	±		1518
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1519

43.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrtctdData> contains the following elements (see "ProtectedData1" on page 1468 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

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 1285 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlaceAndName <*PlcAndNm*>	[0..1]	Text		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1465 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

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		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1642

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 1634

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 1640

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]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

44.1.1.2.2 AdditionalWalletData <AddtlWlltData>

Presence: [0..1]

Definition: Additional data associated with wallet.

Datatype: "Max256Text" on page 1639

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		973
	KeyVersion <*KeyVrsn*>	[1..1]	Text		974
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		974
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		974

44.1.2.1.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 1637

44.1.2.1.2 KeyVersion <KeyVrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 1637

44.1.2.1.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: "Number" on page 1633

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 1554

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		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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 1642

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 1642

44.1.3.1.3 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1642

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 1637

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 1637

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 1640

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 1640

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 1640

44.1.3.1.9 Country <Ctry>

Presence: [0..1]

Definition: Nation with its own government occupying a particular territory.

Datatype: "Min2Max3AlphaText" on page 1643

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		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

44.1.4.1.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: "TypeOfAmount12Code" on page 1624

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 1640

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

44.1.4.1.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the additional amount.

Datatype: "Max70Text" on page 1642

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		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 1624

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).
RESD	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 980 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		980
	Currency <*Ccy*>	[1..1]	CodeSet	C2	980

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 <CrdhldrBllgAmt> contains the following elements (see "Amount4" on page 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

44.1.4.2.4 ReconciliationAmount <RncltnAmt>

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 <RncltnAmt> contains the following elements (see "Amount4" on page 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

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 986 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		986
	OtherType <*OthrTp*>	[0..1]	Text		987
	Amount <*Amt*>	[1..1]	±		987
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		987
	ReconciliationAmount <*RncltnAmt*>	[0..1]	±		987
	Label <*Labl*>	[0..1]	Text		988

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 981 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		981
	TransactionAmount <*TxAmt*>	[1..1]	±		981
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		982
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		982

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		980
	Currency <*Ccy*>	[1..1]	CodeSet	C2	980

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 1552

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 1593

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		981
	TransactionAmount <*TxAmt*>	[1..1]	±		981
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		982
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		982

44.1.4.4.1 AmountQualifier <AmtQlfr>

Presence: [0..1]

Definition: Qualifies the amount of the transaction.

Datatype: "TypeOfAmount11Code" on page 1624

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).
RESD	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 980 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		980
	Currency <*Ccy*>	[1..1]	CodeSet	C2	980

44.1.4.4.3 CardholderBillingAmount <CrdhldrBllgAmt>

Presence: [0..1]

Definition: Amount to be billed to cardholder.

CardholderBillingAmount <CrdhldrBllgAmt> contains the following elements (see "Amount4" on page 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

44.1.4.4.4 ReconciliationAmount <RncltnAmt>

Presence: [0..1]

Definition: Amount used for reconciliation.

ReconciliationAmount <RncltnAmt> contains the following elements (see "Amount4" on page 991 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

44.1.4.5 InstalmentAmountDetails1

Definition: Instalment amount details

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		982
	OtherType <*OthrTp*>	[0..1]	Text		983
	SubType <*SubTp*>	[0..1]	Text		983
	Amount <*Amt*>	[0..1]	±		983
	Percentage <*Pctg*>	[0..1]	Rate		983

44.1.4.5.1 Type <Tp>

Presence: [0..1]

Definition: Grace period unit type.

Datatype: "InstalmentAmountDetailsType1Code" on page 1592

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 1640

44.1.4.5.3 SubType <SubTp>

Presence: [0..1]

Definition: Grace period sub type.

Datatype: "Max35Text" on page 1640

44.1.4.5.4 Amount <Amt>

Presence: [0..1]

Definition: Detailed instalment amount.

Amount <Amt> contains the following elements (see "Amount5" on page 990 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		990
	Sign <*Sgn*>	[0..1]	Indicator		991

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 1633

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		984
	Currency <*Ccy*>	[0..1]	CodeSet	C2	984
	ExchangeRate <*XchgRate*>	[0..1]	Rate		984
	QuotationDate <*QtnDt*>	[0..1]	DateTime		984
	Sign <*Sgn*>	[0..1]	Indicator		985

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 1552

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 1593

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 1633

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 1631

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 1631):

- *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		985
	OtherType <*OthrTp*>	[0..1]	Text		985
	Amount <*Amt*>	[1..1]	±		985
	Label <*Labl*>	[0..1]	Text		986

44.1.4.7.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: "DetailAmount2Code" on page 1585

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 1640

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 990 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		990
	Sign <*Sgn*>	[0..1]	Indicator		991

44.1.4.7.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the detailed amount.

Datatype: "Max70Text" on page 1642

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		986
	OtherType <*OthrTp*>	[0..1]	Text		987
	Amount <*Amt*>	[1..1]	±		987
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		987
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		987
	Label <*Labl*>	[0..1]	Text		988

44.1.4.8.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: "DetailAmount1Code" on page 1585

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 1640

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 990 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		990
	Sign <*Sgn*>	[0..1]	Indicator		991

44.1.4.8.4 CardholderBillingAmount <CrdhldrBllgAmt>

Presence: [0..1]

Definition: Detailed amount expressed in the cardholder billing currency.

CardholderBillingAmount <CrdhldrBllgAmt> contains the following elements (see "Amount5" on page 990 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		990
	Sign <*Sgn*>	[0..1]	Indicator		991

44.1.4.8.5 ReconciliationAmount <RncltnAmt>

Presence: [0..1]

Definition: Detailed amount expressed in the reconciliation currency.

ReconciliationAmount <RncltnAmt> contains the following elements (see "Amount5" on page 990 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		990
	Sign <*Sgn*>	[0..1]	Indicator		991

44.1.4.8.6 Label <Labl>

Presence: [0..1]

Definition: Short description of the detailed amount.

Datatype: "Max70Text" on page 1642

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		988
	Amount <*Amt*>	[1..1]	Amount		988
	AdditionalData <*AddtlData*>	[0..1]	Text		988

44.1.4.9.1 DateTime <DtTm>

Presence: [0..1]

Definition: Date and time of the amount authorized

Datatype: "ISODateTime" on page 1631

44.1.4.9.2 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.4.9.3 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Contains additional information about the authorized amount.

Datatype: "Max350Text" on page 1639

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		989
	OtherType <*OthrTp*>	[0..1]	Text		990
	Amount <*Amt*>	[0..1]	Amount		990
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		990
	CustomerNotifiedIndicator <*CstmrNtfdInd*>	[0..1]	Indicator		990

44.1.4.10.1 Type <Tp>

Presence: [0..1]

Definition: Code that describes the type of amount or fee.

Datatype: "CarRentalServiceType2Code" on page 1580

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 reinvoiced 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 1640

44.1.4.10.3 Amount <Amt>

Presence: [0..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1631):

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

44.1.4.10.5 CustomerNotifiedIndicator <CstmrNtfdInd>

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 1631):

- *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		990
	Sign <*Sgn*>	[0..1]	Indicator		991

44.1.4.11.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1631):

- *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		991
	Currency <*Ccy*>	[0..1]	CodeSet	C2	991
	ExchangeRate <*XchgRate*>	[0..1]	Quantity		991
	QuotationDate <*QtnDt*>	[0..1]	DateTime		992

44.1.4.12.1 Amount <Amt>

Presence: [1..1]

Definition: Amount exclusive of currency.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1593

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 1632

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 1631

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		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

44.1.4.13.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1593

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 1631):

- *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		993
	Description <*Desc*>	[0..1]	Text		993
	Amount <*Amt*>	[1..1]	Amount		993

44.1.4.14.1 Type <Tp>

Presence: [0..1]

Definition: Describes the amount type.

Datatype: "Max35Text" on page 1640

44.1.4.14.2 Description <Desc>

Presence: [0..1]

Definition: Additional information about the amount.

Datatype: "Max35Text" on page 1640

44.1.4.14.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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		993
	OtherTypeOfCharge <*OthrTpOfChrg*>	[0..1]	Text		994
	Amount <*Amt*>	[1..1]	Amount		994
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		994

44.1.4.15.1 TypeOfCharge <TpOfChrg>

Presence: [0..1]

Definition: Type of telephone charge.

Datatype: "TypeOfAmount19Code" on page 1626

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 1640

44.1.4.15.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1631):

- *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		994
	Amount <*Amt*>	[1..1]	Amount		995
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		995
	Tax <*Tax*>	[0..*]	±		995

44.1.4.16.1 Description <Desc>

Presence: [0..1]

Definition: Description of the amount details.

Datatype: "Max35Text" on page 1640

44.1.4.16.2 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1631):

- *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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

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		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

44.1.4.17.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of fee.

Datatype: "TypeOfAmount10Code" on page 1624

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.

44.1.4.17.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Additional information to specify the type of amount of fee.

Datatype: "Max35Text" on page 1640

44.1.4.17.3 FeeProgram <FeePrgm>

Presence: [0..1]

Definition: Identification of fee program.

Datatype: "Max35Text" on page 1640

44.1.4.17.4 FeeDescriptor <FeeDscrptr>

Presence: [0..1]

Definition: Identification of specific fee.

Datatype: "Max35Text" on page 1640

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 983 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		984
	Currency <*Ccy*>	[0..1]	CodeSet	C2	984
	ExchangeRate <*XchgRate*>	[0..1]	Rate		984
	QuotationDate <*QtnDt*>	[0..1]	DateTime		984
	Sign <*Sgn*>	[0..1]	Indicator		985

44.1.4.17.6 Label <Labl>

Presence: [0..1]

Definition: Short description of the fee amount.

Datatype: "Max140Text" on page 1637

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		997
	OtherType <*OthrTp*>	[0..1]	Text		997
	Amount <*Amt*>	[1..1]	±		997
	Label <*Labl*>	[0..1]	Text		998

44.1.4.18.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: "TypeOfAmount17Code" on page 1625

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 1640

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

44.1.4.18.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the additional amount.

Datatype: "Max70Text" on page 1642

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		998
	Balance <*Bal*>	[0..*]			998
	Type <*Tp*>	[1..1]	CodeSet		999
	OtherType <*OthrTp*>	[0..1]	Text		999
	Amount <*Amt*>	[1..1]	Amount		999
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1000
	Sign <*Sgn*>	[0..1]	Indicator		1000
	CardholderCurrencyIndicator <*CrdhldrCcyInd*>	[0..1]	Indicator		1000
	BalanceDate <*BalDt*>	[0..1]	Date		1000

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 1634

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		999
	OtherType <*OthrTp*>	[0..1]	Text		999
	Amount <*Amt*>	[1..1]	Amount		999
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1000
	Sign <*Sgn*>	[0..1]	Indicator		1000
	CardholderCurrencyIndicator <*CrdhldrCcyInd*>	[0..1]	Indicator		1000
	BalanceDate <*BalDt*>	[0..1]	Date		1000

44.1.5.1.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of card account balance.

Datatype: "BalanceType14Code" on page 1575

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 1640

44.1.5.1.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.5.1.2.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the account

Impacted by: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1593

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 id positive or negative.

Datatype: One of the following values must be used (see "PlusOrMinusIndicator" on page 1631):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

44.1.5.1.2.6 CardholderCurrencyIndicator <CrdhldrCcyInd>

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 1631):

- *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 1631

44.1.5.2 AccountStatementData1

Definition: Statement information of an account.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	StatementDate <*StmtDt*>	[0..1]	Date		1001
	StatementTime <*StmtTm*>	[0..1]	Time		1001
	AccountStatement <*AcctStmt*>	[0..*]			1001
	TransactionDate <*TxDt*>	[1..1]	Date		1002
	PendingIndicator <*PdgInd*>	[0..1]	Indicator		1002
	TransactionPostingDate <*TxPstngDt*>	[0..1]	Date		1002
	TransactionAmount <*TxAmt*>	[0..1]			1003
	Amount <*Amt*>	[1..1]	Amount		1003
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1003
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]			1003
	Amount <*Amt*>	[1..1]	Amount		1003
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1004
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1004
	AcceptorNameAndLocation <*AccptrNmAndLctn*>	[0..1]	Text		1004
	ShortTransactionDescription <*ShrtTxDesc*>	[0..1]	Text		1004
	LongTransactionDescription <*LngTxDesc*>	[0..1]	Text		1004

44.1.5.2.1 StatementDate <StmtDt>

Presence: [0..1]

Definition: Date the statement is generated.

Datatype: "ISODate" on page 1631

44.1.5.2.2 StatementTime <StmtTm>

Presence: [0..1]

Definition: Time the account statement is generated.

Datatype: "ISOTime" on page 1644

44.1.5.2.3 AccountStatement <AcctStmt>

Presence: [0..*]

Definition: Statement information.

AccountStatement <AcctStmt> contains the following **AccountStatementDetails1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionDate <*TxDt*>	[1..1]	Date		1002
	PendingIndicator <*PdgInd*>	[0..1]	Indicator		1002
	TransactionPostingDate <*TxPstngDt*>	[0..1]	Date		1002
	TransactionAmount <*TxAmt*>	[0..1]			1003
	Amount <*Amt*>	[1..1]	Amount		1003
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1003
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]			1003
	Amount <*Amt*>	[1..1]	Amount		1003
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1004
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1004
	AcceptorNameAndLocation <*AccptrNmAndLctn*>	[0..1]	Text		1004
	ShortTransactionDescription <*ShrtTxDesc*>	[0..1]	Text		1004
	LongTransactionDescription <*LngTxDesc*>	[0..1]	Text		1004

44.1.5.2.3.1 TransactionDate <TxDt>

Presence: [1..1]

Definition: Date of the transaction.

Datatype: "ISODate" on page 1631

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 1631):

- *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 1631

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		1003
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1003

44.1.5.2.3.4.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1593

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		1003
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1004

44.1.5.2.3.5.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1593

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 1631):

- *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 1643

44.1.5.2.3.8 ShortTransactionDescription <ShrtTxDesc>

Presence: [0..1]

Definition: Short transaction description to print or display.

Datatype: "Max70Text" on page 1642

44.1.5.2.3.9 LongTransactionDescription <LngTxDesc>

Presence: [0..1]

Definition: Long transaction description to print or display.

Datatype: "Max256Text" on page 1639

44.1.6 Batch Managment

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		1005
	BatchIdentification <*BtchId*>	[1..1]	Text		1005
	MessageSequenceNumber <*MsgSeqNb*>	[0..1]	Text		1005
	MessageChecksumInputValue <*MsgChcksmInptVal*>	[0..1]	Binary		1005

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 1640

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 1640

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 1637

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 1553

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]	±		1006
	Destination <*Dstn*>	[0..1]	±		1006
	ClearingMethod <*ClrMtd*>	[1..1]	CodeSet		1007
	OtherClearingMethod <*OthrClrMtd*>	[0..1]	Text		1007
	ClearingPriority <*ClrPrty*>	[0..1]	Text		1007
	ClearingDate <*ClrDt*>	[0..1]	Date		1007
	ClearingAmount <*ClrAmt*>	[0..1]	±		1007
	InterchangeFee <*IntrchngFee*>	[0..1]	±		1008
	AgentFee <*AgtFee*>	[0..1]	±		1008
	OtherAmount <*OthrAmt*>	[0..1]			1008
	ClearingCount <*ClrCnt*>	[1..1]	Quantity		1009
	ClearingAmount <*ClrAmt*>	[1..1]	±		1009
	InterchangeFee <*IntrchngFee*>	[0..1]	±		1009
	AgentFee <*AgtFee*>	[0..1]	±		1009

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 1340 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1340
	Assigner <*Assgnr*>	[0..1]	Text		1340
	Country <*Ctry*>	[0..1]	CodeSet		1340
	ShortName <*ShrtNm*>	[0..1]	Text		1341

44.1.6.2.2 Destination <Dstn>

Presence: [0..1]

Definition: Institution, final destination of the batch.

Destination <Dstn> contains the following elements (see "Destination1" on page 1341 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1341
	Assigner <*Assgnr*>	[0..1]	Text		1341
	Country <*Ctry*>	[0..1]	CodeSet		1341
	ShortName <*ShrtNm*>	[0..1]	Text		1341

44.1.6.2.3 ClearingMethod <ClrMtd>

Presence: [1..1]

Definition: Type of clearing of the transaction.

Datatype: "ClearingMethod2Code" on page 1581

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 1640

44.1.6.2.5 ClearingPriority <ClrPrty>

Presence: [0..1]

Definition: Level of priority of clearing.

Datatype: "Max35Text" on page 1640

44.1.6.2.6 ClearingDate <ClrDt>

Presence: [0..1]

Definition: Date of clearing.

Datatype: "ISODate" on page 1631

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

44.1.6.2.8 InterchangeFee <IntrchngFee>

Presence: [0..1]

Definition: Interchange reimbursement fee.

InterchangeFee <IntrchngFee> contains the following elements (see "Amount14" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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		1009
	ClearingAmount <*ClrAmt*>	[1..1]	±		1009
	InterchangeFee <*IntrchngFee*>	[0..1]	±		1009
	AgentFee <*AgtFee*>	[0..1]	±		1009

44.1.6.2.10.1 ClearingCount <ClrCnt>

Presence: [1..1]

Definition: Number of other amounts involved in clearing.

Datatype: "Number" on page 1633

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 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

44.1.6.2.10.3 InterchangeFee <IntrchngFee>

Presence: [0..1]

Definition: Interchange fee.

InterchangeFee <IntrchngFee> contains the following elements (see "Amount14" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

44.1.6.2.10.4 AgentFee <AgtFee>

Presence: [0..1]

Definition: Agent fee.

AgentFee <AgtFee> contains the following elements (see "Amount14" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		992
	Currency <*Ccy*>	[0..1]	CodeSet	C2	992
	Sign <*Sgn*>	[0..1]	Indicator		992

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		1010
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1011
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1011
	EffectiveDate <*FctvDt*>	[0..1]	Text		1011
	ExpiryDate <*XpryDt*>	[0..1]	Text		1011
	ServiceCode <*SvcCd*>	[0..1]	Text		1011
	Track1 <*Trck1*>	[0..1]	Text		1012
	Track2 <*Trck2*>	[0..1]			1012
{Or	TextValue <*TxtVal*>	[1..1]	Text		1012
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1012
	Track3 <*Trck3*>	[0..1]	Text		1013
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1013
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1013
	CardProductType <*CardPdctTp*>	[0..1]	Text		1013
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1013
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1013
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1014

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 1638

44.1.7.1.2 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 1631):

- *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 1643

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 1636

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 1635

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 1634

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 1642

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		1012
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1012

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 1640

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 1638

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 1635

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 1640

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 1593

44.1.7.1.12 CardProductType <CardPdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "Max35Text" on page 1640

44.1.7.1.13 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Subtype of card product.

Datatype: "Max35Text" on page 1640

44.1.7.1.14 CardPortfolioIdentifier <CardPrtflIdr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1640

44.1.7.1.15 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 1642

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		1014
	Identification <*Id*>	[1..1]	Text		1014

44.1.7.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of card programme or brand.

Datatype: "Max35Text" on page 1640

44.1.7.2.2 Identification <Id>

Presence: [1..1]

Definition: Identification of the card programme or brand.

Datatype: "Max35Text" on page 1640

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..*]			1014
	Type <*Tp*>	[0..1]	Text		1015
	Identification <*Id*>	[1..*]	Text		1015
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1015

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		1015
	Identification <*Id*>	[1..*]	Text		1015

44.1.7.3.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of card programme or brand.

Datatype: "Max35Text" on page 1640

44.1.7.3.1.2 Identification <Id>

Presence: [1..*]

Definition: Identification of the card programme or brand.

Datatype: "Max35Text" on page 1640

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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		1016
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1016
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1016
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1016
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1017
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1017
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1017

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 1638

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 1631):

- *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 1643

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 1640

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 1638

44.1.7.4.6 CardPortfolioIdentifier <CardPrtflIdr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1640

44.1.7.4.7 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 1642

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		1018
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1018
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1019
	EffectiveDate <*FctvDt*>	[0..1]	Text		1019
	ExpiryDate <*XpryDt*>	[0..1]	Text		1019
	Track3 <*Trck3*>	[0..1]	Text		1019
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1019
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1020
	PANFourLastDigits <*PANFourLastDgts*>	[0..1]	Text		1020
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1020
	CardCurrencyCode <*CardCcyCd*>	[0..1]	CodeSet	C2	1020
	CardProductType <*CardPdctTp*>	[0..1]	Text		1020
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1020
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1021
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1021

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 1638

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 1631):

- *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 1643

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 1636

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 1635

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 1635

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 1640

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 1638

44.1.7.5.9 PANFourLastDigits <PANFourLastDgts>

Presence: [0..1]

Definition: Last four digits of the PAN.

Datatype: "Max4NumericText" on page 1641

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 1593

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 1593

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 1640

44.1.7.5.13 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Subtype of card product.

Datatype: "Max35Text" on page 1640

44.1.7.5.14 CardPortfolioIdentifier <CardPrtflIdr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1640

44.1.7.5.15 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 1642

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		1021
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1021
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1022
	EffectiveDate <*FctvDt*>	[0..1]	Text		1022
	ExpiryDate <*XpryDt*>	[0..1]	Text		1022
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1022
	PANReferenceIdentifier <*PANRefIdr*>	[0..1]	Text		1023
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1023
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1023
	CardProductType <*CardPdctTp*>	[0..1]	Text		1023
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1023
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1023
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1023

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 1638

44.1.7.6.2 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 1631):

- *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 1643

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 1636

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 1635

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 1640

44.1.7.6.7 PANReferenceIdentifier <PANRefIdr>

Presence: [0..1]

Definition: PAN reference identifier.

Datatype: "Max35Text" on page 1640

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 1638

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 1593

44.1.7.6.10 CardProductType <CardPdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "Max35Text" on page 1640

44.1.7.6.11 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Sub type of card product.

Datatype: "Max35Text" on page 1640

44.1.7.6.12 CardPortfolioIdentifier <CardPrtflIdr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1640

44.1.7.6.13 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 1642

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		1024
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1024
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1024
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1024

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 1638

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 1643

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 1640

44.1.7.7.4 CardPortfolioIdentifier <CardPrtflIdr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1640

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 <*PurchsIdrTp*>	[0..1]	CodeSet		1025
	OtherPurchaseIdentifierType <*OthrPurchsIdrTp*>	[0..1]	Text		1026
	PurchaseIdentifier <*PurchsIdr*>	[0..1]	Text		1026
	AdditionalAcceptorData <*AddtlAccptrData*>	[0..1]	±		1026
	Customer <*Cstmr*>	[0..1]	±		1027
	Sale <*Sale*>	[0..1]	±		1028
	Fleet <*Fleet*>	[0..1]	±		1028
	Invoice <*Invc*>	[0..1]	±		1028
	TravelAgency <*TrvlAgcy*>	[0..1]	±		1029
	PassengerTransport <*PssngrTrnsprt*>	[0..1]	±		1029
	VehicleRental <*VhclRntl*>	[0..*]	±		1029
	Lodging <*Ldgg*>	[0..*]	±		1030
	ShippingData <*ShppgData*>	[0..1]	±		1030
	TelecommunicationServices <*TelecomSvcs*>	[0..1]	±		1031
	TemporaryServices <*TempSvcs*>	[0..*]	±		1031
	Instalment <*Instlmt*>	[0..1]	±		1032
	AdditionalData <*AddtlData*>	[0..*]			1032
	Type <*Tp*>	[0..1]	Text		1033
	Value <*Val*>	[0..1]	Text		1033

44.1.8.1.1 PurchaseIdentifierType <PurchsIdrTp>

Presence: [0..1]

Definition: Specifies the type of identifier present in the message.

Datatype: "PurchaseIdentifierType1" on page 1615

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 <OthrPurchsIdrTp>

Presence: [0..1]

Definition: Used when Purchase Identifier Type is Other National or Other Private.

Datatype: "Max35Text" on page 1640

44.1.8.1.3 PurchaseIdentifier <PurchsIdr>

Presence: [0..1]

Definition: Contains a value identifying Invoice Data or Purchase Request Data.

Datatype: "Max99Text" on page 1643

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 1310 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalTransactionReferenceNumber <*AddtlTxRefNb*>	[0..1]	Text		1311
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1311
	CorporateTaxIdentification <*CorpTaxId*>	[0..1]	Text		1312
	CorporateTaxIdentificationType <*CorpTaxIdTp*>	[0..1]	CodeSet		1312
	AdditionalIdentification <*AddtlId*>	[0..*]			1312
	Type <*Tp*>	[1..1]	CodeSet		1312
	OtherType <*OthrTp*>	[0..1]	Text		1313
	Value <*Val*>	[1..1]	Text		1313
	Characteristics <*Chrtcs*>	[0..1]			1313
	BusinessType <*BizTp*>	[0..1]			1313
	Type <*Tp*>	[1..1]	Text		1314
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1314
	Owner <*Ownr*>	[0..1]			1314
	Type <*Tp*>	[1..1]	Text		1314
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1314
	Certification <*Certfctn*>	[0..1]			1314
	Type <*Tp*>	[1..1]	Text		1315
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1315
	OwnerEthnicity <*OwnrEthncty*>	[0..1]			1315
	Type <*Tp*>	[1..1]	Text		1315
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1315
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1315

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 1349 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1349
	ReferenceNumber <*RefNb*>	[0..1]	Text		1350
	TaxRegistrationIdentification <*TaxRegnId*>	[0..*]	Text		1350
	AuthorisedContactCompany <*AuthrsdCtctCpny*>	[0..1]	Text		1350
	AuthorisedContactName <*AuthrsdCtctNm*>	[0..1]	Text		1350
	AuthorisedContactPhoneNumber <*AuthrsdCtctPhneNb*>	[0..1]	Text		1350
	VIPIndicator <*VIPInd*>	[0..1]	Indicator		1350
	CustomerRelationship <*CstmrRltsh*>	[0..1]	Text		1350

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 1123 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Summary <*Summry*>	[0..1]	±		1124
	LineItem <*LineItm*>	[0..*]	±		1124

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 1233 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Summary <*Summry*>	[0..1]	±		1233
	LineItem <*LineItm*>	[0..*]	±		1237

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 1193 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Summary <*Summry*>	[0..1]	±		1193
	LineItem <*LineItm*>	[0..*]	±		1195

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 1068 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Company <*Cpny*>	[0..1]	±		1068
	TravelPackage <*TrvlPackg*>	[0..*]	±		1069
	AdditionalData <*AddtlData*>	[0..1]	Text		1069

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 1151 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Summary <*Summry*>	[0..1]	±		1151
	TripLeg <*TripLeg*>	[0..*]	±		1152
	AncillaryPurchase <*AncllryPurchs*>	[0..*]	±		1154
	HiredVehicleDetails <*HirdVhclDtls*>	[0..*]	±		1155

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 1033 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	VehicleRentalCompany <*VhclRntlCpny*>	[0..1]	±		1033
	Customer <*Cstmr*>	[0..1]	±		1034
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1034
	RentalAgreement <*RntlAgrmt*>	[0..1]	±		1035
	RentalInvoice <*RntlInvc*>	[0..1]	±		1035
	AdditionalData <*AddtlData*>	[0..1]	Text		1036

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 1174 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Summary <*Summry*>	[0..1]	±		1174
	LineItem <*LineItm*>	[0..*]	±		1175

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 1107 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	InvoiceNumber <*InvcNb*>	[0..1]	Text		1107
	InvoiceCreationDateTime <*InvcCreDtTm*>	[0..1]	DateTime		1107
	ServiceDescriptorCode <*SvcDscrptrCd*>	[0..1]	Text		1108
	IncentiveAmount <*IncntivAmt*>	[0..1]	Amount		1108
	MiscellaneousExpenses <*MiscExpnss*>	[0..1]	Amount		1108
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1108
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1108
	NetAmount <*NetAmt*>	[0..1]	Amount		1108
	Tax <*Tax*>	[0..*]	±		1108
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1109
	NumberOfPackages <*NbOfPackgs*>	[0..1]	Text		1109
	Package <*Packg*>	[0..*]	±		1109
	AdditionalData <*AddtlData*>	[0..1]	Text		1110

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 1099 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Summary <*Summry*>	[0..1]	±		1099
	LineItem <*LineItm*>	[0..*]	±		1099

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 <TempSvcs> contains the following elements (see "TemporaryServices1" on page 1089 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContractingCompany <*CtrctgCpny*>	[0..1]	±		1090
	TemporaryEmployee <*TempMplyee*>	[0..1]	±		1090
	Job <*Job*>	[0..1]	±		1091
	FlatRateIndicator <*FlatRateInd*>	[0..1]	Indicator		1091
	DiscountAmount <*DscntAmt*>	[0..1]	Amount		1091
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1091
	Labor <*Labr*>	[0..1]			1092
	TimeSheetNumber <*TmSheetNb*>	[0..1]	Text		1092
	WeekEnding <*WkEndg*>	[0..1]	Text		1092
	Charge <*Chrg*>	[0..*]			1092
	Type <*Tp*>	[0..1]	CodeSet		1092
	OtherType <*OthrTp*>	[0..1]	Text		1093
	Rate <*Rate*>	[0..1]	Amount		1093
	Hours <*Hrs*>	[0..1]	Text		1093
	MiscellaneousExpenses <*MiscExpnss*>	[0..*]	±		1093
	SubtotalAmount <*SbttlAmt*>	[0..1]	Amount		1094
	Tax <*Tax*>	[0..*]	±		1094
	AdditionalData <*AddtlData*>	[0..1]	Text		1094

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 1196 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <*PmtSeqNb*>	[0..1]	Quantity		1197
	Plan <*Plan*>	[0..*]	±		1197

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		1033
	Value <*Val*>	[0..1]	Text		1033

44.1.8.1.17.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

44.1.8.1.17.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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]	±		1033
	Customer <*Cstmr*>	[0..1]	±		1034
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1034
	RentalAgreement <*RntlAgrmt*>	[0..1]	±		1035
	RentalInvoice <*RntlInvc*>	[0..1]	±		1035
	AdditionalData <*AddtlData*>	[0..1]	Text		1036

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 1333 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1334
	Identification <*Id*>	[0..1]	±		1334
	Address <*Adr*>	[0..1]	±		1334
	Contact <*Ctct*>	[0..1]			1335
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1335
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1335
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1336
	Email <*Email*>	[0..1]	Text		1336
	FaxNumber <*FaxNb*>	[0..1]	Text		1336
	URLAddress <*URLAdr*>	[0..1]	Text		1336
	Language <*Lang*>	[0..1]	CodeSet	C3	1336
	Country <*Ctry*>	[0..1]	Text		1336
	Type <*Tp*>	[0..1]	CodeSet		1336
	OtherType <*OthrTp*>	[0..1]	Text		1337

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 1041 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RenterName <*RntrNm*>	[1..1]	Text		1042
	CorporateName <*CorpNm*>	[0..1]	Text		1042
	CorporateIdentifier <*CorpIdr*>	[1..1]	Text		1042
	Assigner <*Assgnr*>	[0..1]	CodeSet		1042
	PrimaryDriver <*PmryDrvr*>	[0..*]	±		1042
	AdditionalDriver <*AddtlDrvr*>	[0..*]	±		1043
	LoyaltyProgramme <*LltyPrgrmm*>	[0..1]	±		1044

44.1.8.2.3 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 1640

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 1045 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AgreementNumber <*AgrmtNb*>	[0..1]	Text		1046
	AdjustedIndicator <*AdjstdInd*>	[0..1]	Indicator		1046
	RentalLocation <*RntlLctn*>	[0..1]	±		1046
	PickupLocation <*PckpLctn*>	[0..*]	±		1046
	CheckOutDate <*ChckOutDt*>	[0..1]	Date		1047
	CheckOutTime <*ChckOutTm*>	[0..1]	Time		1047
	ReturnLocation <*RtrLctn*>	[0..1]	±		1047
	CheckInDate <*ChckInDt*>	[0..1]	Date		1048
	CheckInTime <*ChckInTm*>	[0..1]	Time		1048
	Duration <*Drtn*>	[0..1]	Text		1048
	VehicleClassDetails <*VhclClssDtls*>	[0..1]	±		1048
	TravelDistance <*TrvlDstnc*>	[0..1]	±		1049
	RentalRate <*RntlRate*>	[0..*]	±		1049
	RentalDetails <*RntlDtls*>	[0..1]	±		1049
	VehicleRegistrationNumber <*VhclRegnNb*>	[0..1]	Text		1051
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1051
	AdditionalAmount <*AddtlAmt*>	[0..*]	±		1052
	EstimatedTax <*EstmtdTax*>	[0..*]	±		1052
	DiscountProgramme <*DscntPrgrmm*>	[0..*]			1052
	Type <*Tp*>	[0..1]	Text		1053
	Value <*Val*>	[1..1]	Text		1053
	LoyaltyProgramme <*LltyPrgrmm*>	[0..*]	±		1053

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 1036 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	NoShowIndicator <*NoShowInd*>	[0..1]	Indicator		1037
	AdjustedIndicator <*AdjstdInd*>	[0..1]	Indicator		1037
	ReturnLocation <*RtrLctn*>	[0..1]	±		1037
	CheckOutDate <*ChckOutDt*>	[0..1]	Date		1038
	CheckOutTime <*ChckOutTm*>	[0..1]	Time		1038
	CheckInDate <*ChckInDt*>	[0..1]	Date		1038
	CheckInTime <*ChckInTm*>	[0..1]	Time		1038
	Duration <*Drtn*>	[0..1]	Text		1038
	VehicleClassInvoiced <*VhclClssInvcd*>	[0..1]	±		1039
	VehicleClassProvided <*VhclClssPrvdd*>	[0..1]	±		1039
	TravelDistance <*TrvlDstnc*>	[0..1]	±		1039
	RentalCharge <*RntlChrg*>	[0..*]	±		1040
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1040
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1040
	AdditionalAmount <*AddtlAmt*>	[0..*]	±		1040
	Tax <*Tax*>	[0..*]	±		1041

44.1.8.2.6 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the vehicle rental.

Datatype: "Max350Text" on page 1639

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		1037
	AdjustedIndicator <*AdjstdInd*>	[0..1]	Indicator		1037
	ReturnLocation <*RtrLctn*>	[0..1]	±		1037
	CheckOutDate <*ChckOutDt*>	[0..1]	Date		1038
	CheckOutTime <*ChckOutTm*>	[0..1]	Time		1038
	CheckInDate <*ChckInDt*>	[0..1]	Date		1038
	CheckInTime <*ChckInTm*>	[0..1]	Time		1038
	Duration <*Drtn*>	[0..1]	Text		1038
	VehicleClassInvoiced <*VhclClssInvcd*>	[0..1]	±		1039
	VehicleClassProvided <*VhclClssPrvdd*>	[0..1]	±		1039
	TravelDistance <*TrvlDstnc*>	[0..1]	±		1039
	RentalCharge <*RntlChrg*>	[0..*]	±		1040
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1040
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1040
	AdditionalAmount <*AddtlAmt*>	[0..*]	±		1040
	Tax <*Tax*>	[0..*]	±		1041

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 1631):

- *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 1631):

- *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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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 1631

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 1644

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 1631

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 1644

44.1.8.3.8 Duration <Drtn>

Presence: [0..1]

Definition: Duration of rental in days.

Datatype: "Max4NumericText" on page 1641

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 1053 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Class <*Clss*>	[0..1]	Text		1053
	Make <*Make*>	[0..1]	Text		1053
	Model <*Mdl*>	[0..1]	Text		1054
	RegistrationNumber <*RegnNb*>	[0..1]	Text		1054

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 1053 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Class <*Clss*>	[0..1]	Text		1053
	Make <*Make*>	[0..1]	Text		1053
	Model <*Mdl*>	[0..1]	Text		1054
	RegistrationNumber <*RegnNb*>	[0..1]	Text		1054

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 1254 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1254
	OdometerStart <*OdmtrStart*>	[0..1]	Text		1254
	OdometerReturn <*OdmtrRtr*>	[0..1]	Text		1254
	TotalDistance <*TtlDstnc*>	[0..1]	Text		1254
	FreeDistance <*FreeDstnc*>	[0..1]	Text		1255
	Rate <*Rate*>	[0..1]	Amount		1255

44.1.8.3.12 RentalCharge <RntlChrg>

Presence: [0..*]

Definition: Vehicle rental charge.

RentalCharge <RntlChrg> contains the following elements (see "RentalRate1" on page 1382 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Period <*Prd*>	[0..1]	CodeSet		1382
	OtherPeriod <*OthrPrd*>	[0..1]	Text		1383
	Rate <*Rate*>	[0..1]	Amount		1383
	PeriodCount <*PrdCnt*>	[0..1]	Text		1383

44.1.8.3.13 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 1640

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 1631):

- *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 988 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		989
	OtherType <*OthrTp*>	[0..1]	Text		990
	Amount <*Amt*>	[0..1]	Amount		990
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		990
	CustomerNotifiedIndicator <*CstmrNtfdInd*>	[0..1]	Indicator		990

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.8.4 VehicleRentalCustomer1

Definition: Customer renting a vehicle.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RenterName <*RntrNm*>	[1..1]	Text		1042
	CorporateName <*CorpNm*>	[0..1]	Text		1042
	CorporateIdentifier <*CorpIdr*>	[1..1]	Text		1042
	Assigner <*Assgnr*>	[0..1]	CodeSet		1042
	PrimaryDriver <*PmryDrvr*>	[0..*]	±		1042
	AdditionalDriver <*AddtlDrvr*>	[0..*]	±		1043
	LoyaltyProgramme <*LltyPrgrmm*>	[0..1]	±		1044

44.1.8.4.1 RenterName <RntrNm>

Presence: [1..1]

Definition: Name of the vehicle rental customer.

Datatype: "Max70Text" on page 1642

44.1.8.4.2 CorporateName <CorpNm>

Presence: [0..1]

Definition: Corporate name of the vehicle rental customer.

Datatype: "Max70Text" on page 1642

44.1.8.4.3 CorporateIdentifier <CorpIdr>

Presence: [1..1]

Definition: Corporate identifier of the vehicle rental customer.

Datatype: "Max35Text" on page 1640

44.1.8.4.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Party assigning an identification to a vehicle rental customer.

Datatype: "CustomerAssigner1Code" on page 1584

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 1247 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1248
	Address <*Adr*>	[0..1]	±		1248
	Contact <*Ctct*>	[0..1]	±		1249
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1249
	Age <*Age*>	[0..1]	Text		1250
	DriverCredential <*DrvrCrdntl*>	[0..*]			1250
	Type <*Tp*>	[1..1]	CodeSet		1250
	Form <*Form*>	[0..1]	CodeSet		1251
	Identification <*Id*>	[1..1]	Text		1251
	Assigner <*Assgnr*>	[0..1]	Text		1251
	IssuanceDate <*IssncDt*>	[0..1]	Date		1251
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1251
	Country <*Ctry*>	[0..1]	Text		1252
	DrivingLicense <*DrvgLic*>	[0..1]			1252
	Type <*Tp*>	[0..1]	Text		1252
	Form <*Form*>	[0..1]	CodeSet		1252
	Identification <*Id*>	[1..1]	Text		1253
	Assigner <*Assgnr*>	[0..1]	CodeSet		1253
	IssuanceDate <*IssncDt*>	[0..1]	Date		1253
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1253
	Country <*Ctry*>	[0..1]	Text		1253
	State <*Stat*>	[0..1]	Text		1253
	Province <*Prvc*>	[0..1]	Text		1253
	OtherAuthority <*OthrAuthrty*>	[0..1]	Text		1254

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 1247 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1248
	Address <*Adr*>	[0..1]	±		1248
	Contact <*Ctct*>	[0..1]	±		1249
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1249
	Age <*Age*>	[0..1]	Text		1250
	DriverCredential <*DrvrCrdntl*>	[0..*]			1250
	Type <*Tp*>	[1..1]	CodeSet		1250
	Form <*Form*>	[0..1]	CodeSet		1251
	Identification <*Id*>	[1..1]	Text		1251
	Assigner <*Assgnr*>	[0..1]	Text		1251
	IssuanceDate <*IssncDt*>	[0..1]	Date		1251
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1251
	Country <*Ctry*>	[0..1]	Text		1252
	DrivingLicense <*DrvgLic*>	[0..1]			1252
	Type <*Tp*>	[0..1]	Text		1252
	Form <*Form*>	[0..1]	CodeSet		1252
	Identification <*Id*>	[1..1]	Text		1253
	Assigner <*Assgnr*>	[0..1]	CodeSet		1253
	IssuanceDate <*IssncDt*>	[0..1]	Date		1253
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1253
	Country <*Ctry*>	[0..1]	Text		1253
	State <*Stat*>	[0..1]	Text		1253
	Province <*Prvc*>	[0..1]	Text		1253
	OtherAuthority <*OthrAuthrty*>	[0..1]	Text		1254

44.1.8.4.7 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..1]

Definition: Loyalty programme details.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "LoyaltyProgramme2" on page 1155 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProgrammeType <*PrgrmmTp*>	[0..1]	Text		1156
	ProgramIdentification <*PrgmId*>	[0..1]	Text		1156
	ParticipantIdentification <*PtcptId*>	[0..1]	Text		1156

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		1046
	AdjustedIndicator <*AdjstdInd*>	[0..1]	Indicator		1046
	RentalLocation <*RntlLctn*>	[0..1]	±		1046
	PickupLocation <*PckpLctn*>	[0..*]	±		1046
	CheckOutDate <*ChckOutDt*>	[0..1]	Date		1047
	CheckOutTime <*ChckOutTm*>	[0..1]	Time		1047
	ReturnLocation <*RtrLctn*>	[0..1]	±		1047
	CheckInDate <*ChckInDt*>	[0..1]	Date		1048
	CheckInTime <*ChckInTm*>	[0..1]	Time		1048
	Duration <*Drtn*>	[0..1]	Text		1048
	VehicleClassDetails <*VhclClssDtls*>	[0..1]	±		1048
	TravelDistance <*TrvlDstnc*>	[0..1]	±		1049
	RentalRate <*RntlRate*>	[0..*]	±		1049
	RentalDetails <*RntlDtls*>	[0..1]	±		1049
	VehicleRegistrationNumber <*VhclRegnNb*>	[0..1]	Text		1051
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1051
	AdditionalAmount <*AddtlAmt*>	[0..*]	±		1052
	EstimatedTax <*EstmtdTax*>	[0..*]	±		1052
	DiscountProgramme <*DscntPrgrmm*>	[0..*]			1052
	Type <*Tp*>	[0..1]	Text		1053
	Value <*Val*>	[1..1]	Text		1053
	LoyaltyProgramme <*LltyPrgrmm*>	[0..*]	±		1053

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 1640

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 1631):

- *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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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 1631

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 1644

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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 1631

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 1644

44.1.8.5.10 Duration <Drtn>

Presence: [0..1]

Definition: Duration of rental in days.

Datatype: "Max4NumericText" on page 1641

44.1.8.5.11 VehicleClassDetails <VhclClssDtls>

Presence: [0..1]

Definition: Contains the details of the vehicle classification.

VehicleClassDetails <VhclClssDtls> contains the following elements (see "Vehicle4" on page 1053 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Class <*Clss*>	[0..1]	Text		1053
	Make <*Make*>	[0..1]	Text		1053
	Model <*Mdl*>	[0..1]	Text		1054
	RegistrationNumber <*RegnNb*>	[0..1]	Text		1054

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 1254 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1254
	OdometerStart <*OdmtrStart*>	[0..1]	Text		1254
	OdometerReturn <*OdmtrRtr*>	[0..1]	Text		1254
	TotalDistance <*TtlDstnc*>	[0..1]	Text		1254
	FreeDistance <*FreeDstnc*>	[0..1]	Text		1255
	Rate <*Rate*>	[0..1]	Amount		1255

44.1.8.5.13 RentalRate <RntlRate>

Presence: [0..*]

Definition: Vehicle rental rate.

RentalRate <RntlRate> contains the following elements (see "RentalRate1" on page 1382 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Period <*Prd*>	[0..1]	CodeSet		1382
	OtherPeriod <*OthrPrd*>	[0..1]	Text		1383
	Rate <*Rate*>	[0..1]	Amount		1383
	PeriodCount <*PrdCnt*>	[0..1]	Text		1383

44.1.8.5.14 RentalDetails <RntlDtls>

Presence: [0..1]

Definition: Vehicle rental details.

RentalDetails <RntlDtls> contains the following elements (see "RentalDetails1" on page 1126 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RentalIdentification <*RntlId*>	[0..1]	Text		1128
	RentalDateTime <*RntlDtTm*>	[0..1]	DateTime		1128
	RentalStart <*RntlStart*>	[0..1]			1128
	Location <*Lctn*>	[0..1]	Text		1129
	LocationCode <*LctnCd*>	[0..1]	Text		1129
	Address <*Adr*>	[0..1]	±		1130
	Contact <*Ctct*>	[0..1]			1130
	Name <*Nm*>	[0..1]	Text		1131
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1131
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1131
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1131
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1131
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1131
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1131
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1131
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1131
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1132
	URLAddress <*URLAdr*>	[0..1]	Text		1132
	Language <*Lang*>	[0..1]	CodeSet		1132
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1132
	TimeSegment <*TmSgmt*>	[0..1]	CodeSet		1132
	JourneyInformation <*JrnyInf*>	[0..1]			1132
	JourneyType <*JrnyTp*>	[0..1]	CodeSet		1133
	JourneyData <*JrnyData*>	[0..1]	Text		1133
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1133
	RentalReturn <*RntlRtr*>	[0..1]			1133
	Location <*Lctn*>	[0..1]	Text		1134
	LocationCode <*LctnCd*>	[0..1]	Text		1134
	Address <*Adr*>	[0..1]	±		1135
	Contact <*Ctct*>	[0..1]			1135

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1136
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1136
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1136
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1136
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1136
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1136
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1136
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1136
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1136
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1137
	URLAddress <*URLAdr*>	[0..1]	Text		1137
	Language <*Lang*>	[0..1]	CodeSet		1137
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1137
	TimeSegment <*TmSgmt*>	[0..1]	CodeSet		1137
	JourneyInformation <*JrnyInf*>	[0..1]			1137
	JourneyType <*JrnyTp*>	[0..1]	CodeSet		1138
	JourneyData <*JrnyData*>	[0..1]	Text		1138
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1138
	RentalTimePeriod <*RntlTmPrd*>	[0..*]	CodeSet		1138
	TimePeriodUnit <*TmPrdUnit*>	[0..1]	Text		1139
	TimePeriodRate <*TmPrdRate*>	[0..1]	Amount		1139
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1139

44.1.8.5.15 VehicleRegistrationNumber <VhclRegnNb>

Presence: [0..1]

Definition: Registration number of vehicle.

Datatype: "Max70Text" on page 1642

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 1631):

- *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 988 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		989
	OtherType <*OthrTp*>	[0..1]	Text		990
	Amount <*Amt*>	[0..1]	Amount		990
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		990
	CustomerNotifiedIndicator <*CstmrNtfdInd*>	[0..1]	Indicator		990

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

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		1053
	Value <*Val*>	[1..1]	Text		1053

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 1640

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 1640

44.1.8.5.20 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..*]

Definition: Loyalty programme details.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "LoyaltyProgramme1" on page 1156 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProgrammeEligibilityIndicator <*PrgrmmElgbltyInd*>	[0..*]	Indicator		1156
	ProgrammeIssuer <*PrgrmmIssr*>	[0..1]	Text		1157
	LoyaltyMember <*LltyMmb*>	[0..1]	±		1157

44.1.8.6 Vehicle4

Definition: Attributes of vehicle.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Class <*Clss*>	[0..1]	Text		1053
	Make <*Make*>	[0..1]	Text		1053
	Model <*Mdl*>	[0..1]	Text		1054
	RegistrationNumber <*RegnNb*>	[0..1]	Text		1054

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 1640

44.1.8.6.2 Make <Make>

Presence: [0..1]

Definition: Brand or manufacturer of the vehicle.

Datatype: "Max35NumericText" on page 1640

44.1.8.6.3 Model <Mdl>

Presence: [0..1]

Definition: Product line of vehicle within the make.

Datatype: "Max35NumericText" on page 1640

44.1.8.6.4 RegistrationNumber <RegnNb>

Presence: [0..1]

Definition: Registration number of vehicle.

Datatype: "Max35Text" on page 1640

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		1056
	Ticket <*Tckt*>	[0..1]			1056
	TicketNumber <*TcktNb*>	[0..1]	Text		1057
	TicketIssuer <*TcktIssr*>	[0..1]	±		1057
	TicketIssueDate <*TcktIsseDt*>	[0..1]	Date		1058
	TicketIssueLocation <*TcktIsseLctn*>	[0..1]	Text		1058
	ConjunctionTicketNumber <*CnjnctnTcktNb*>	[0..1]	Text		1058
	RestrictedTicketIndicator <*RstrctdTcktInd*>	[0..1]	Indicator		1058
	OpenTicketIndicator <*OpnTcktInd*>	[0..1]	Indicator		1058
	Restrictions <*Rstrctns*>	[0..1]	Text		1058
	ExchangedTicketIndicator <*XchgdTcktInd*>	[0..1]	Indicator		1059
	ExchangedTicketNumber <*XchgdTcktNb*>	[0..1]	Text		1059
	RecordLocatorNumber <*RcrdLctrNb*>	[0..1]	Text		1059
	Reservation <*Rsvatn*>	[0..1]			1059
	System <*Sys*>	[0..1]	Text		1059
	ReservationNumber <*RsvatnNb*>	[0..1]	Text		1059
	OriginalSystem <*OrgnlSys*>	[0..1]	Text		1060
	OriginalReservationNumber <*OrgnlRsvatnNb*>	[0..1]	Text		1060
	Document <*Doc*>	[0..*]			1060
	Type <*Tp*>	[0..1]	Text		1060
	Reference <*Ref*>	[0..1]	Text		1060
	ProcedureReference <*PrcdrRef*>	[0..1]	Text		1060
	TransportType <*TrnsprtTp*>	[0..1]	CodeSet		1060
	OtherTransportType <*OthrTrnsprtTp*>	[0..1]	Text		1061
	CommodityCode <*CmmdtyCd*>	[0..1]	Text		1061
	Carrier <*Crrier*>	[0..1]			1061
	Name <*Nm*>	[0..1]	Text		1061
	Code <*Cd*>	[0..1]	Text		1061
	IATACode <*IATACd*>	[0..1]	Text		1062
	RouteNumber <*RouteNb*>	[0..1]	Text		1062
	ServiceClass <*SvcClss*>	[0..1]	Text		1062

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Departure <*Dprture*>	[0..1]	±		1062
	Arrival <*Arrvl*>	[0..1]	±		1062
	Duration <*Drtn*>	[0..1]	Text		1063
	StopOverIndicator <*StopOverInd*>	[0..1]	Indicator		1063
	NonDirectRouteCode <*NonDrctRouteCd*>	[0..1]	Text		1063
	FairBasisCode <*FairBsisCd*>	[0..1]	Text		1063
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1063
	TripLegAmount <*TripLegAmt*>	[0..*]			1063
	Type <*Tp*>	[0..1]	CodeSet		1064
	OtherType <*OthrTp*>	[0..1]	Text		1064
	Amount <*Amt*>	[1..1]	Amount		1065
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1065
	Tax <*Tax*>	[0..*]	±		1065
	CreditReasonCode <*CdtRsnCd*>	[0..1]	Text		1065
	ProcedureIdentification <*PrcdrId*>	[0..1]	Text		1065
	LoyaltyProgramme <*LltyPrgrmm*>	[0..1]	±		1066
	AdditionalData <*AddtlData*>	[0..1]	Text		1066

44.1.8.7.1 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identifies the specific occurrence of trip leg data.

Datatype: "Max35NumericText" on page 1640

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		1057
	TicketIssuer <*TcktIssr*>	[0..1]	±		1057
	TicketIssueDate <*TcktIsseDt*>	[0..1]	Date		1058
	TicketIssueLocation <*TcktIsseLctn*>	[0..1]	Text		1058
	ConjunctionTicketNumber <*CnjnctnTcktNb*>	[0..1]	Text		1058
	RestrictedTicketIndicator <*RstrctdTcktInd*>	[0..1]	Indicator		1058
	OpenTicketIndicator <*OpnTcktInd*>	[0..1]	Indicator		1058
	Restrictions <*Rstrctns*>	[0..1]	Text		1058
	ExchangedTicketIndicator <*XchgdTcktInd*>	[0..1]	Indicator		1059
	ExchangedTicketNumber <*XchgdTcktNb*>	[0..1]	Text		1059
	RecordLocatorNumber <*RcrdLctrNb*>	[0..1]	Text		1059
	Reservation <*Rsvatn*>	[0..1]			1059
	System <*Sys*>	[0..1]	Text		1059
	ReservationNumber <*RsvatnNb*>	[0..1]	Text		1059
	OriginalSystem <*OrgnlSys*>	[0..1]	Text		1060
	OriginalReservationNumber <*OrgnlRsvatnNb*>	[0..1]	Text		1060

44.1.8.7.2.1 TicketNumber <TcktNb>

Presence: [0..1]

Definition: Contains the ticket number.

Datatype: "Max35Text" on page 1640

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

44.1.8.7.2.3 TicketIssueDate <TcktIsseDt>

Presence: [0..1]

Definition: Date the ticket was issued.

Datatype: "ISODate" on page 1631

44.1.8.7.2.4 TicketIssueLocation <TcktIsseLctn>

Presence: [0..1]

Definition: Location where ticket was issued.

Datatype: "Max140Text" on page 1637

44.1.8.7.2.5 ConjunctionTicketNumber <CnjnctnTcktNb>

Presence: [0..1]

Definition: Number of a ticket that contains additional coupons for an itinerary that contains more than four segments.

Datatype: "Max35Text" on page 1640

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 1631):

- *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 1631):

- *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 1642

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 1631):

- *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 1640

44.1.8.7.2.11 RecordLocatorNumber <RcrdLctrNb>

Presence: [0..1]

Definition: Ticket record locator number.

Datatype: "Max35Text" on page 1640

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		1059
	ReservationNumber <*RsvatnNb*>	[0..1]	Text		1059
	OriginalSystem <*OrgnlSys*>	[0..1]	Text		1060
	OriginalReservationNumber <*OrgnlRsvatnNb*>	[0..1]	Text		1060

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 1641

44.1.8.7.2.12.2 ReservationNumber <RsvatnNb>

Presence: [0..1]

Definition: Value that uniquely identifies the reservation.

Datatype: "Max35Text" on page 1640

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 1641

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 1640

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		1060
	Reference <*Ref*>	[0..1]	Text		1060

44.1.8.7.3.1 Type <Tp>

Presence: [0..1]

Definition: Describes the type of document.

Datatype: "Max35Text" on page 1640

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 1642

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 1640

44.1.8.7.5 TransportType <TrnsprtTp>

Presence: [0..1]

Definition: Type of transportation.

Datatype: "TransportType1Code" on page 1623

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 1640

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 1641

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		1061
	Code <*Cd*>	[0..1]	Text		1061
	IATACode <*IATACd*>	[0..1]	Text		1062

44.1.8.7.8.1 Name <Nm>

Presence: [0..1]

Definition: Name of the transportation carrier.

Datatype: "Max70Text" on page 1642

44.1.8.7.8.2 Code <Cd>

Presence: [0..1]

Definition: Identifies the operator (company providing service).

Datatype: "Max35Text" on page 1640

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 1640

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 1640

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 1640

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 1256 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Location <*Lctn*>	[0..1]	Text		1256
	Description <*Desc*>	[0..1]	Text		1256
	Date <*Dt*>	[0..1]	Date		1256
	Time <*Tm*>	[0..1]	Time		1256

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 1256 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Location <*Lctn*>	[0..1]	Text		1256
	Description <*Desc*>	[0..1]	Text		1256
	Date <*Dt*>	[0..1]	Date		1256
	Time <*Tm*>	[0..1]	Time		1256

44.1.8.7.13 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the trip.

Datatype: "Max4NumericText" on page 1641

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 1631):

- *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 1640

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 1640

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 1631):

- *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		1064
	OtherType <*OthrTp*>	[0..1]	Text		1064
	Amount <*Amt*>	[1..1]	Amount		1065
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1065
	Tax <*Tax*>	[0..*]	±		1065

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 1625

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 1640

44.1.8.7.18.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1631):

- *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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

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 1640

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 1640

44.1.8.7.21 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..1]

Definition: Loyalty programme details.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "LoyaltyProgramme2" on page 1155 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProgrammeType <*PrgrmmTp*>	[0..1]	Text		1156
	ProgramIdentification <*PrgmId*>	[0..1]	Text		1156
	ParticipantIdentification <*PtcptId*>	[0..1]	Text		1156

44.1.8.7.22 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the transportation.

Datatype: "Max350Text" on page 1639

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		1066
	TravelPackageType <*TrvlPackgTp*>	[0..1]	Text		1067
	NumberInParty <*NbInPty*>	[0..1]	Text		1067
	CustomerReference <*CstmrRef*>	[0..*]			1067
	Identification <*Id*>	[0..1]	Text		1067
	Detail <*Dtl*>	[0..1]	Text		1067
	DataSource <*DataSrc*>	[0..1]	Text		1067
	DeliveryOrderNumber <*DlvryOrdrNb*>	[0..1]	Text		1067
	CreditCardSlipNumber <*CdtCardSlipNb*>	[0..1]	Text		1068
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1068
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1068
	Fee <*Fee*>	[0..1]	Amount		1068

44.1.8.8.1 ReservationNumber <RsvatnNb>

Presence: [0..1]

Definition: Reservation number or identifier.

Datatype: "Max35Text" on page 1640

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 1642

44.1.8.8.3 NumberInParty <NbInPty>

Presence: [0..1]

Definition: Number of people included in the travel arrangements.

Datatype: "Max10NumericText" on page 1636

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		1067
	Detail <*Dtl*>	[0..1]	Text		1067

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 1640

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 1642

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 1640

44.1.8.8.6 DeliveryOrderNumber <DlvryOrdrNb>

Presence: [0..1]

Definition: Contains a customer invoice number for a rail sale to a corporate account.

Datatype: "Max35Text" on page 1640

44.1.8.8.7 CreditCardSlipNumber <CdtCardSlipNb>

Presence: [0..1]

Definition: Contains a slip number from the credit card slip.

Datatype: "Max35Text" on page 1640

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 1631):

- *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 1552

44.1.8.8.10 Fee <Fee>

Presence: [0..1]

Definition: Travel agency fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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]	±		1068
	TravelPackage <*TrvlPackg*>	[0..*]	±		1069
	AdditionalData <*AddtlData*>	[0..1]	Text		1069

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 1338 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Code <*Cd*>	[0..1]	Text		1338
	Assigner <*Assgnr*>	[0..1]	Text		1338
	IATACode <*IATACd*>	[0..1]	Text		1338
	Name <*Nm*>	[0..1]	Text		1339
	ShortName <*ShrtNm*>	[0..1]	Text		1339
	Address <*Adr*>	[0..1]	±		1339
	Contact <*Ctct*>	[0..1]	±		1339

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 1066 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ReservationNumber <*RsvatnNb*>	[0..1]	Text		1066
	TravelPackageType <*TrvlPackgTp*>	[0..1]	Text		1067
	NumberInParty <*NbInPty*>	[0..1]	Text		1067
	CustomerReference <*CstmrRef*>	[0..*]			1067
	Identification <*Id*>	[0..1]	Text		1067
	Detail <*Dtl*>	[0..1]	Text		1067
	DataSource <*DataSrc*>	[0..1]	Text		1067
	DeliveryOrderNumber <*DlvryOrdrNb*>	[0..1]	Text		1067
	CreditCardSlipNumber <*CdtCardSlipNb*>	[0..1]	Text		1068
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1068
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1068
	Fee <*Fee*>	[0..1]	Amount		1068

44.1.8.9.3 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Provides additional travel details.

Datatype: "Max350Text" on page 1639

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		1070
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1070
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1070
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1071
	SettlementService <*SttlmSvc*>	[0..1]	±		1071
	Reconciliation <*Rcncltn*>	[0..1]	±		1072
	CaptureDate <*CaptrDt*>	[0..1]	Date		1073

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 1635

44.1.8.10.2 DeferredDeliveryIndicator <DfrrdDlvryInd>

Presence: [0..1]

Definition: Indicates a deferred delivery as defined by each specific implementation.

True: deferred delivery.

False: Delivery is not identified as deffered.

Default: False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1631):

- *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 1623

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardProgrammeProposed <*CardPrgrmmPropsd*>	[0..*]			1014
	Type <*Tp*>	[0..1]	Text		1015
	Identification <*Id*>	[1..*]	Text		1015
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1015

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 1494 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SettlementServiceProposed <*SttlmSvcPropsd*>	[0..1]			1495
	Type <*Tp*>	[0..1]	Text		1495
	Identification <*Id*>	[0..1]	Text		1496
	ShortName <*ShrtNm*>	[0..1]	Text		1496
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1496
	SettlementServiceApplied <*SttlmSvcApld*>	[0..1]			1496
	Type <*Tp*>	[0..1]	Text		1496
	Identification <*Id*>	[0..1]	Text		1497
	ShortName <*ShrtNm*>	[0..1]	Text		1497
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1497
	SettlementServiceDates <*SttlmSvcDts*>	[0..1]			1497
	RequestedSettlementDate <*ReqdSttlmDt*>	[0..1]	Date		1497
	SettlementDate <*SttlmDt*>	[0..1]	Date		1497
	SettlementTime <*SttlmTm*>	[0..1]	Time		1498
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1498
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1498
	SettlementReportingEntity <*SttlmRptgNtty*>	[0..1]			1498
	Type <*Tp*>	[0..1]	Text		1498
	Identification <*Id*>	[0..1]	Text		1498

44.1.8.10.6 Reconciliation <Rncltn>

Presence: [0..1]

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

Reconciliation <Rncltn> contains the following elements (see "Reconciliation3" on page 1384 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1384
	Date <*Dt*>	[0..1]	Date		1385
	CheckpointReference <*ChckptRef*>	[0..1]	Text		1385

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 1631

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		1073
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1073
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1073
	SettlementService <*SttlmSvc*>	[0..1]	±		1074
	Reconciliation <*Rcncltn*>	[0..1]	±		1074

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 1635

44.1.8.11.2 TransactionInitiator <TxInitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: "TransactionInitiator1Code" on page 1623

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1014
	Identification <*Id*>	[1..1]	Text		1014

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 1498 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <*SttlmSvcApId*>	[0..1]			1499
	Type <*Tp*>	[0..1]	Text		1499
	Identification <*Id*>	[0..1]	Text		1499
	ShortName <*ShrtNm*>	[0..1]	Text		1500
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1500
	SettlementServiceDates <*SttlmSvcDts*>	[0..1]			1500
	RequestedSettlementDate <*ReqdSttlmDt*>	[0..1]	Date		1500
	SettlementDate <*SttlmDt*>	[0..1]	Date		1500
	SettlementTime <*SttlmTm*>	[0..1]	Time		1501
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1501
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1501
	SettlementReportingEntity <*SttlmRptgNtty*>	[0..1]			1501
	Type <*Tp*>	[0..1]	Text		1501
	Identification <*Id*>	[0..1]	Text		1501

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 <Rncltn> contains the following elements (see "Reconciliation3" on page 1384 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1384
	Date <*Dt*>	[0..1]	Date		1385
	CheckpointReference <*ChckptRef*>	[0..1]	Text		1385

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		1075
	MerchantCategorySpecificData <*MrchntCtgySpcfcData*>	[0..1]	Text		1075
	CustomerConsent <*CstmrCnsnt*>	[0..1]	Indicator		1076
	ICCFallbackIndicator <*ICCFllbckInd*>	[0..1]	Indicator		1076
	MagneticStripeFallbackIndicator <*MgntcStrpFllbckInd*>	[0..1]	Indicator		1076
	LatePresentmentIndicator <*LatePresntmntInd*>	[0..1]	Indicator		1076
	FinalAuthorisationIndicator <*FnlAuthstnInd*>	[0..1]	Indicator		1077
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1077
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1077
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1077
	SettlementService <*SttlmSvc*>	[0..1]	±		1078
	Reconciliation <*Rncltn*>	[0..1]	±		1079
	CaptureDate <*CaptrDt*>	[0..1]	Date		1079

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 1635

44.1.8.12.2 MerchantCategorySpecificData <MrchntCtgySpcfcData>

Presence: [0..1]

Definition: Further details about the merchant that is used in with the merchant category code (MCC) for the particular purchase.

Datatype: "Max35Text" on page 1640

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 1631):

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

44.1.8.12.4 ICCFallbackIndicator <ICCFllbckInd>

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 1631):

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

44.1.8.12.5 MagneticStripeFallbackIndicator <MgntcStrpFllbckInd>

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 1631):

- *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 1631):

- *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 1631):

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

44.1.8.12.8 DeferredDeliveryIndicator <DfrrdDlvryInd>

Presence: [0..1]

Definition: Indicates a deferred delivery as defined by each specific implementation.

True: deferred delivery.

False: Delivery is not identified as deffered.

Default: False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1631):

- *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 1623

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 1014 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardProgrammeProposed <*CardPrgrmmPropsd*>	[0..*]			1014
	Type <*Tp*>	[0..1]	Text		1015
	Identification <*Id*>	[1..*]	Text		1015
	CardProgrammeApplied <*CardPrgrmmApld*>	[0..1]	±		1015

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 1494 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SettlementServiceProposed <*SttlmSvcPropsd*>	[0..1]			1495
	Type <*Tp*>	[0..1]	Text		1495
	Identification <*Id*>	[0..1]	Text		1496
	ShortName <*ShrtNm*>	[0..1]	Text		1496
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1496
	SettlementServiceApplied <*SttlmSvcApld*>	[0..1]			1496
	Type <*Tp*>	[0..1]	Text		1496
	Identification <*Id*>	[0..1]	Text		1497
	ShortName <*ShrtNm*>	[0..1]	Text		1497
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1497
	SettlementServiceDates <*SttlmSvcDts*>	[0..1]			1497
	RequestedSettlementDate <*ReqdSttlmDt*>	[0..1]	Date		1497
	SettlementDate <*SttlmDt*>	[0..1]	Date		1497
	SettlementTime <*SttlmTm*>	[0..1]	Time		1498
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1498
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1498
	SettlementReportingEntity <*SttlmRptgNtty*>	[0..1]			1498
	Type <*Tp*>	[0..1]	Text		1498
	Identification <*Id*>	[0..1]	Text		1498

44.1.8.12.12 Reconciliation <Rncltn>

Presence: [0..1]

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

Reconciliation <Rncltn> contains the following elements (see "Reconciliation3" on page 1384 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1384
	Date <*Dt*>	[0..1]	Date		1385
	CheckpointReference <*ChckptRef*>	[0..1]	Text		1385

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 1631

44.1.8.13 Transaction85

Definition: Contains transaction details.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionType <*TxTp*>	[0..1]	Text		1080
	TransactionSubType <*TxSubTp*>	[0..1]	Text		1080
	AdditionalService <*AddtlSvc*>	[0..*]	±		1081
	TransactionAttribute <*TxAttr*>	[0..1]	CodeSet		1081
	OtherTransactionAttribute <*OthrTxAttr*>	[0..1]	Text		1082
	MessageReason <*MsgRsn*>	[0..*]	Text		1082
	AlternateMessageReason <*AltrnMsgRsn*>	[0..*]	Text		1082
	PreAuthorisationTimeLimit <*PreAuthstnTmLmt*>	[0..1]	Text		1082
	AssociatedDataReference <*AssoctdDataRef*>	[0..1]	Text		1082
	SpecialProgrammeQualification <*SpclPrgrmmQlfctn*>	[0..*]	±		1082
	TransactionIdentification <*TxId*>	[0..1]	±		1083
	DisputeData <*DsptData*>	[0..*]	±		1083
	TransactionAmounts <*TxAmts*>	[0..1]	±		1084
	AdditionalAmounts <*AddtlAmts*>	[0..*]	±		1084
	AdditionalFees <*AddtlFees*>	[0..*]	±		1085
	OriginalAdditionalFees <*OrgnlAddtlFees*>	[0..*]	±		1085
	DepositDetails <*DpstDtls*>	[0..*]	±		1086
	FundsServices <*FndsSvcs*>	[0..1]	±		1086
	AccountFrom <*AcctFr*>	[0..1]	±		1086
	AccountTo <*AcctTo*>	[0..1]	±		1086
	TransactionDescription <*TxDesc*>	[0..1]	Text		1087
	AdditionalData <*AddtlData*>	[0..*]			1087
	Type <*Tp*>	[0..1]	Text		1087
	Value <*Val*>	[0..1]	Text		1087

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 1634

44.1.8.13.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1640

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 1265 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1265
	OtherType <*OthrTp*>	[0..1]	Text		1265

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 1622

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 occurence 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 1640

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 1635

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 1640

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 1642

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 1642

44.1.8.13.10 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

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

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 1101 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Programme <*Prgrmm*>	[0..1]	Text		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

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 1405 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

44.1.8.13.12 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData1" on page 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <*PresntmntCycl*>	[0..1]	Text		1271
	DisputeCondition <*DsptCond*>	[0..1]	Text		1271
	DisputeStatus <*DsptSts*>	[0..1]	Text		1271
	PartialDispute <*PrtlDspt*>	[0..1]	Indicator		1271
	DisputeReference <*DsptRef*>	[0..*]	±		1271
	DocumentationStatus <*DcmnttnSts*>	[0..1]	Text		1272
	AdditionalDisputeData <*AddtlDsptData*>	[0..1]	Text		1272
	DisputeRejectReason <*DsptRjctRsn*>	[0..*]	Text		1272
	ChargebackEligibility <*ChrgbckElgblty*>	[0..1]	Text		1272

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 977 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AmountQualifier <*AmtQlfr*>	[0..1]	CodeSet		978
	TransactionAmount <*TxAmt*>	[0..1]	±		978
	CardholderBillingAmount <*CrdhldrBllgAmt*>	[0..1]	±		978
	ReconciliationAmount <*RcncltnAmt*>	[0..1]	±		979
	DetailedAmount <*DtldAmt*>	[0..*]	±		979
	OriginalTransactionAmounts <*OrgnlTxAmts*>	[0..1]	±		980

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 976 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		976
	OtherType <*OthrTp*>	[0..1]	Text		977
	Amount <*Amt*>	[1..1]	±		977
	Label <*Labl*>	[0..1]	Text		977

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

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 995 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		996
	OtherType <*OthrTp*>	[0..1]	Text		996
	FeeProgram <*FeePrgm*>	[0..1]	Text		996
	FeeDescriptor <*FeeDscrptr*>	[0..1]	Text		996
	Amount <*Amt*>	[1..1]	±		996
	Label <*Labl*>	[0..1]	Text		997

44.1.8.13.17 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see "DepositDetails1" on page 1270 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1270
	OtherType <*OthrTp*>	[0..1]	Text		1270
	Amount <*Amt*>	[0..1]	±		1270

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 1414 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FundingService <*FndgSvc*>	[0..1]	±		1414
	FundingSource <*FndgSrc*>	[0..1]	±		1414
	ClaimInformation <*ClmInf*>	[0..1]	±		1414

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountName <*AcctNm*>	[0..1]	Text		972
	AccountType <*AcctTp*>	[0..1]	Text		972
	AccountIdentification <*AcctId*>	[0..1]	Text		972

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 1635

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		1087
	Value <*Val*>	[0..1]	Text		1087

44.1.8.13.22.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

44.1.8.13.22.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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		1088
	Description <*Desc*>	[0..1]	Text		1088
	StartDate <*StartDt*>	[0..1]	Date		1088
	Duration <*Drtn*>	[0..1]	Text		1088
	EndDate <*EndDt*>	[0..1]	Date		1088

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 1640

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 1639

44.1.8.14.3 StartDate <StartDt>

Presence: [0..1]

Definition: Contains the start date of the job.

Datatype: "ISODate" on page 1631

44.1.8.14.4 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the job expressed in number of days.

Datatype: "Max5NumericText" on page 1641

44.1.8.14.5 EndDate <EndDt>

Presence: [0..1]

Definition: Contains the end date of the job.

Datatype: "ISODate" on page 1631

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		1089
	Department <*Dept*>	[0..1]	Text		1089
	Identification <*Id*>	[0..1]	±		1089
	Supervisor <*Sprvsr*>	[0..1]	Text		1089

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 1642

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 1642

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 1642

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]	±		1090
	TemporaryEmployee <*TempMplyee*>	[0..1]	±		1090
	Job <*Job*>	[0..1]	±		1091
	FlatRateIndicator <*FlatRateInd*>	[0..1]	Indicator		1091
	DiscountAmount <*DscntAmt*>	[0..1]	Amount		1091
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1091
	Labor <*Labr*>	[0..1]			1092
	TimeSheetNumber <*TmSheetNb*>	[0..1]	Text		1092
	WeekEnding <*WkEndg*>	[0..1]	Text		1092
	Charge <*Chrg*>	[0..*]			1092
	Type <*Tp*>	[0..1]	CodeSet		1092
	OtherType <*OthrTp*>	[0..1]	Text		1093
	Rate <*Rate*>	[0..1]	Amount		1093
	Hours <*Hrs*>	[0..1]	Text		1093
	MiscellaneousExpenses <*MiscExpnss*>	[0..*]	±		1093
	SubtotalAmount <*SbttlAmt*>	[0..1]	Amount		1094
	Tax <*Tax*>	[0..*]	±		1094
	AdditionalData <*AddtlData*>	[0..1]	Text		1094

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 1088 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1089
	Department <*Dept*>	[0..1]	Text		1089
	Identification <*Id*>	[0..1]	±		1089
	Supervisor <*Sprvsr*>	[0..1]	Text		1089

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 1333 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PersonalIdentification <*PrsnlId*>	[0..1]	Text		1333
	EmployeeIdentification <*MplyeeId*>	[0..1]	Text		1333
	Name <*Nm*>	[0..1]	Text		1333
	ProfessionalLevel <*PrfssnlLvl*>	[0..1]	Text		1333

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 1087 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	JobCode <*JobCd*>	[0..1]	Text		1088
	Description <*Desc*>	[0..1]	Text		1088
	StartDate <*StartDt*>	[0..1]	Date		1088
	Duration <*Drtn*>	[0..1]	Text		1088
	EndDate <*EndDt*>	[0..1]	Date		1088

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 1631):

- *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 1552

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 1640

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		1092
	WeekEnding <*WkEndg*>	[0..1]	Text		1092
	Charge <*Chrg*>	[0..*]			1092
	Type <*Tp*>	[0..1]	CodeSet		1092
	OtherType <*OthrTp*>	[0..1]	Text		1093
	Rate <*Rate*>	[0..1]	Amount		1093
	Hours <*Hrs*>	[0..1]	Text		1093

44.1.8.16.7.1 TimeSheetNumber <TmSheetNb>

Presence: [0..1]

Definition: Contains the time sheet identification number.

Datatype: "Max35Text" on page 1640

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 1636

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		1092
	OtherType <*OthrTp*>	[0..1]	Text		1093
	Rate <*Rate*>	[0..1]	Amount		1093
	Hours <*Hrs*>	[0..1]	Text		1093

44.1.8.16.7.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of hours worked.

Datatype: "TemporaryServicesCharge1Code" on page 1621

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 1640

44.1.8.16.7.3.3 Rate <Rate>

Presence: [0..1]

Definition: Contains the rate per hour.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.8.16.7.3.4 Hours <Hrs>

Presence: [0..1]

Definition: Contains the number of hours worked.

Datatype: "Max6NumericText" on page 1642

44.1.8.16.8 MiscellaneousExpenses <MiscExpnss>

Presence: [0..*]

Definition: Contains miscellaneous expense details.

MiscellaneousExpenses <MiscExpnss> contains the following elements (see "Amount13" on page 992 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		993
	Description <*Desc*>	[0..1]	Text		993
	Amount <*Amt*>	[1..1]	Amount		993

44.1.8.16.9 SubtotalAmount <SbttlAmt>

Presence: [0..1]

Definition: Subtotal amount exclusive of tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.8.16.11 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the temporary services.

Datatype: "Max350Text" on page 1639

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]	±		1094
	BillingStatementPeriodStart <*BllgStmtPrdStart*>	[0..1]	Date		1095
	BillingStatementPeriodEnd <*BllgStmtPrdEnd*>	[0..1]	Date		1095
	BillingEvent <*BllgEvt*>	[0..*]	±		1095
	TotalTax <*TtlTax*>	[0..*]	±		1095
	AdditionalData <*AddtlData*>	[0..1]	Text		1096

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 1346 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountNumber <*AcctNb*>	[0..1]	Text		1346
	Name <*Nm*>	[0..1]	Text		1346
	PhoneNumber <*PhneNb*>	[0..1]	Text		1346

44.1.8.17.2 BillingStatementPeriodStart <BllgStmtPrdStart>

Presence: [0..1]

Definition: Contains the billing period start date for telecommunication or related services.

Datatype: "ISODate" on page 1631

44.1.8.17.3 BillingStatementPeriodEnd <BllgStmtPrdEnd>

Presence: [0..1]

Definition: Contains the billing period end date for telecommunication or related services.

Datatype: "ISODate" on page 1631

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 994 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Description <*Desc*>	[0..1]	Text		994
	Amount <*Amt*>	[1..1]	Amount		995
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		995
	Tax <*Tax*>	[0..*]	±		995

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.8.17.6 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the shipment.

Datatype: "Max350Text" on page 1639

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		1096
	TimePeriod <*TmPrd*>	[0..1]	Text		1097
	Duration <*Drtn*>	[0..1]	Time		1097
	CallFrom <*CallFr*>	[0..1]	±		1097
	CallTo <*CallTo*>	[0..1]	±		1097
	Charge <*Chrg*>	[0..*]	±		1098
	TotalTax <*TtlTax*>	[0..*]	±		1098
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1099
	Description <*Desc*>	[0..1]	Text		1099
	AdditionalData <*AddtlData*>	[0..1]	Text		1099

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 1631

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 1640

44.1.8.18.3 Duration <Drtn>

Presence: [0..1]

Definition: Duration of phone call expressed in HHMMSS format.

Datatype: "ISOTime" on page 1644

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 1100 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1100
	OtherType <*OthrTp*>	[0..1]	Text		1101
	PhoneNumber <*PhneNb*>	[0..1]	Text		1101
	City <*City*>	[0..1]	Text		1101
	State <*Stat*>	[0..1]	Text		1101
	Province <*Prvc*>	[0..1]	Text		1101
	Country <*Ctry*>	[0..1]	Text		1101

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 1100 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1100
	OtherType <*OthrTp*>	[0..1]	Text		1101
	PhoneNumber <*PhneNb*>	[0..1]	Text		1101
	City <*City*>	[0..1]	Text		1101
	State <*Stat*>	[0..1]	Text		1101
	Province <*Prvc*>	[0..1]	Text		1101
	Country <*Ctry*>	[0..1]	Text		1101

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 993 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TypeOfCharge <*TpOfChrg*>	[0..1]	CodeSet		993
	OtherTypeOfCharge <*OthrTpOfChrg*>	[0..1]	Text		994
	Amount <*Amt*>	[1..1]	Amount		994
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		994

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.8.18.8 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount applicable to the billing event.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.8.18.9 Description <Desc>

Presence: [0..1]

Definition: Description of the telecommunications services line item details

Datatype: "Max256Text" on page 1639

44.1.8.18.10 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the telecommunications services.

Datatype: "Max350Text" on page 1639

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]	±		1099
	LineItem <*LineItm*>	[0..*]	±		1099

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 1094 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Customer <*Cstmr*>	[0..1]	±		1094
	BillingStatementPeriodStart <*BllgStmtPrdStart*>	[0..1]	Date		1095
	BillingStatementPeriodEnd <*BllgStmtPrdEnd*>	[0..1]	Date		1095
	BillingEvent <*BllgEvt*>	[0..*]	±		1095
	TotalTax <*TtlTax*>	[0..*]	±		1095
	AdditionalData <*AddtlData*>	[0..1]	Text		1096

44.1.8.19.2 LineItem <LineItm>

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.

LineItem <LineItm> contains the following elements (see "TelecomServicesLineItem1" on page 1096 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	StartDateTime <*StartDtTm*>	[0..1]	Date		1096
	TimePeriod <*TmPrd*>	[0..1]	Text		1097
	Duration <*Drtn*>	[0..1]	Time		1097
	CallFrom <*CallFr*>	[0..1]	±		1097
	CallTo <*CallTo*>	[0..1]	±		1097
	Charge <*Chrg*>	[0..*]	±		1098
	TotalTax <*TtlTax*>	[0..*]	±		1098
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1099
	Description <*Desc*>	[0..1]	Text		1099
	AdditionalData <*AddtlData*>	[0..1]	Text		1099

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		1100
	OtherType <*OthrTp*>	[0..1]	Text		1101
	PhoneNumber <*PhneNb*>	[0..1]	Text		1101
	City <*City*>	[0..1]	Text		1101
	State <*Stat*>	[0..1]	Text		1101
	Province <*Prvc*>	[0..1]	Text		1101
	Country <*Ctry*>	[0..1]	Text		1101

44.1.8.20.1 Type <Tp>

Presence: [0..1]

Definition: Contains call type values.

Datatype: "TelephonyCallType1Code" on page 1621

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 1642

44.1.8.20.3 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Origination or destination phone number.

Datatype: "PhoneNumber" on page 1644

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 1640

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 1637

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 1640

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 1643

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		1102
	Detail <*Dtl*>	[0..*]			1102
	Name <*Nm*>	[0..1]	Text		1102
	Value <*Val*>	[0..1]	Text		1102

44.1.8.21.1 Programme <Prgrmm>

Presence: [0..1]

Definition: Name of special programme.

Datatype: "Max35Text" on page 1640

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		1102
	Value <*Val*>	[0..1]	Text		1102

44.1.8.21.2.1 Name <Nm>

Presence: [0..1]

Definition: Name of the special programme detail.

Datatype: "Max35Text" on page 1640

44.1.8.21.2.2 Value <Val>

Presence: [0..1]

Definition: Special programme detail value.

Datatype: "Max35Text" on page 1640

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		1103
	Supplier <*Spplr*>	[0..1]	±		1103
	PickupTime <*PckpTm*>	[0..1]	Time		1103
	Delivery <*Dlvry*>	[0..1]	±		1104
	Weight <*Wght*>	[0..1]			1104
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1104
	OtherUnitOfMeasure <*OthrUnitOfMeasr*>	[0..1]	Text		1106
	NumberOfUnits <*NbOfUnits*>	[0..1]	Amount		1106
	Product <*Pdct*>	[0..*]			1106
	ProductCode <*PdctCd*>	[0..1]	Text		1106
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1106
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1107
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1107

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 1642

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 1317 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1317
	Identification <*Id*>	[0..1]	±		1317
	Address <*Adr*>	[0..1]	±		1318
	Contact <*Ctct*>	[0..1]	±		1318
	Instructions <*Instrs*>	[0..1]	Text		1319

44.1.8.22.3 PickupTime <PckpTm>

Presence: [0..1]

Definition: Contains the time the package is picked up.

Datatype: "ISOTime" on page 1644

44.1.8.22.4 Delivery <Dlvry>

Presence: [0..1]

Definition: Delivery information.

Delivery <Dlvry> contains the following elements (see "DeliveryInformation3" on page 1256 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	DeliveryNoteNumber <*DlvryNoteNb*>	[0..1]	Text		1257
	Address <*Adr*>	[0..1]	±		1257
	Contact <*Ctct*>	[0..1]	±		1257
	Instructions <*Instrs*>	[0..1]	Text		1258
	Date <*Dt*>	[0..1]	Date		1258
	Time <*Tm*>	[0..1]	Time		1258

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		1104
	OtherUnitOfMeasure <*OthrUnitOfMeasr*>	[0..1]	Text		1106
	NumberOfUnits <*NbOfUnits*>	[0..1]	Amount		1106

44.1.8.22.5.1 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item being shipped.

Datatype: "UnitOfMeasure1Code" on page 1627

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 1640

44.1.8.22.5.3 NumberOfUnits <NbOfUnits>

Presence: [0..1]

Definition: Number of units.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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		1106
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1106

44.1.8.22.6.1 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 1642

44.1.8.22.6.2 SummaryCommodityIdentification <SummryCmmdtyId>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 1640

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 1631):

- *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 1552

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		1107
	InvoiceCreationDateTime <*InvcCreDtTm*>	[0..1]	DateTime		1107
	ServiceDescriptorCode <*SvcDscrptrCd*>	[0..1]	Text		1108
	IncentiveAmount <*IncntivAmt*>	[0..1]	Amount		1108
	MiscellaneousExpenses <*MiscExpnss*>	[0..1]	Amount		1108
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1108
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1108
	NetAmount <*NetAmt*>	[0..1]	Amount		1108
	Tax <*Tax*>	[0..*]	±		1108
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1109
	NumberOfPackages <*NbOfPackgs*>	[0..1]	Text		1109
	Package <*Packg*>	[0..*]	±		1109
	AdditionalData <*AddtlData*>	[0..1]	Text		1110

44.1.8.23.1 InvoiceNumber <InvcNb>

Presence: [0..1]

Definition: Contains the invoice number.

Datatype: "Max70Text" on page 1642

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 1631

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 1640

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 1552

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 1552

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 1631):

- *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 1552

44.1.8.23.8 NetAmount <NetAmt>

Presence: [0..1]

Definition: Contains the net amount of shipping expenses.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

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 1640

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 1642

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 1102 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TrackingNumber <*TrckgNb*>	[0..1]	Text		1103
	Supplier <*Spplr*>	[0..1]	±		1103
	PickupTime <*PckpTm*>	[0..1]	Time		1103
	Delivery <*Dlvry*>	[0..1]	±		1104
	Weight <*Wght*>	[0..1]			1104
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1104
	OtherUnitOfMeasure <*OthrUnitOfMeasr*>	[0..1]	Text		1106
	NumberOfUnits <*NbOfUnits*>	[0..1]	Amount		1106
	Product <*Pdct*>	[0..*]			1106
	ProductCode <*PdctCd*>	[0..1]	Text		1106
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1106
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1107
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1107

44.1.8.23.13 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Contains additional shipping data.

Datatype: "Max350Text" on page 1639

44.1.8.24 SaleSummary1

Definition: Summary information about the sale

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1111
	LoyaltyProgramme <*LltyPrgrmm*>	[0..1]	±		1111
	Adjustment <*Adjstmnt*>	[0..*]			1111
	Type <*Tp*>	[0..1]	Text		1112
	AdditionalType <*AddtlTp*>	[0..1]	Text		1112
	Description <*Desc*>	[0..1]	Text		1112
	Reason <*Rsn*>	[0..1]	Text		1112
	PromotionCode <*PrmtnCd*>	[0..1]	Text		1112
	Percentage <*Pctg*>	[0..1]	Rate		1112
	AdjustmentAmount <*AdjstmntAmt*>	[0..1]	Amount		1113
	TaxCalculatedOnOriginalAmount <*TaxClctdOnOrgnlAmt*>	[0..1]	Indicator		1113

44.1.8.24.1 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 1640

44.1.8.24.2 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..1]

Definition: Contains loyalty programme information.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "LoyaltyProgramme2" on page 1155 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProgrammeType <*PrgrmmTp*>	[0..1]	Text		1156
	ProgramIdentification <*PrgmId*>	[0..1]	Text		1156
	ParticipantIdentification <*PtcptId*>	[0..1]	Text		1156

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		1112
	AdditionalType <*AddtlTp*>	[0..1]	Text		1112
	Description <*Desc*>	[0..1]	Text		1112
	Reason <*Rsn*>	[0..1]	Text		1112
	PromotionCode <*PrmtnCd*>	[0..1]	Text		1112
	Percentage <*Pctg*>	[0..1]	Rate		1112
	AdjustmentAmount <*AdjstmntAmt*>	[0..1]	Amount		1113
	TaxCalculatedOnOriginalAmount <*TaxClctdOnOrgnlAmt*>	[0..1]	Indicator		1113

44.1.8.24.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of adjustment.

Datatype: "Max35Text" on page 1640

44.1.8.24.3.2 AdditionalType <AddtlTp>

Presence: [0..1]

Definition: Additional information to specify the type of adjustment.

Datatype: "Max35Text" on page 1640

44.1.8.24.3.3 Description <Desc>

Presence: [0..1]

Definition: Description of the adjustment.

Datatype: "Max70Text" on page 1642

44.1.8.24.3.4 Reason <Rsn>

Presence: [0..1]

Definition: Reason for the adjustment.

Datatype: "Max35Text" on page 1640

44.1.8.24.3.5 PromotionCode <PrmtnCd>

Presence: [0..1]

Definition: Promotion or adjustment code.

Datatype: "Max35Text" on page 1640

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 1633

44.1.8.24.3.7 AdjustmentAmount <AdjstmntAmt>

Presence: [0..1]

Definition: Contains amount of the adjustment, exclusive of tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1631):

- *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		1115
	ProductCode <*PdctCd*>	[0..1]	Text		1115
	ProductCodeType <*PdctCdTp*>	[0..1]	CodeSet		1115
	AdditionalProductCode <*AddtlPdctCd*>	[0..1]	Text		1115
	AdditionalProductCodeType <*AddtlPdctCdTp*>	[0..1]	Text		1115
	ProductCodeModifier <*PdctCdModfr*>	[0..1]	Quantity		1116
	ProductDescription <*PdctDesc*>	[0..1]	Text		1116
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1116
	OtherUnitOfMeasure <*OthrUnitOfMeasr*>	[0..1]	Text		1117
	ProductQuantity <*PdctQty*>	[0..1]	Quantity		1118
	NonAdjustedUnitPrice <*NonAdjstdUnitPric*>	[0..1]	Amount		1118
	NonAdjustedTotalAmount <*NonAdjstdTtlAmt*>	[0..1]	Amount		1118
	Adjustment <*Adjstmnt*>	[0..*]			1118
	Type <*Tp*>	[0..1]	Text		1118
	AdditionalType <*AddtlTp*>	[0..1]	Text		1119
	Description <*Desc*>	[0..1]	Text		1119
	Reason <*Rsn*>	[0..1]	Text		1119
	PromotionEligibility <*PrmtnElgblty*>	[0..1]	Indicator		1119
	PromotionCode <*PrmtnCd*>	[0..1]	Text		1119
	PromotionCouponNumber <*PrmtnCpnNb*>	[0..1]	Text		1119
	Quantity <*Qty*>	[0..1]	Quantity		1119
	UnitPrice <*UnitPric*>	[0..1]	Amount		1119
	Percentage <*Pctg*>	[0..1]	Rate		1120
	AdjustmentAmount <*AdjstmntAmt*>	[0..1]	Amount		1120
	TaxCalculatedOnOriginalAmount <*TaxClctdOnOrgnlAmt*>	[0..1]	Indicator		1120
	AdjustedAmount <*AdjstdAmt*>	[0..1]	Amount		1120
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1120
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1120
	Tax <*Tax*>	[0..*]	±		1120
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1121

44.1.8.25.1 ProductType <PdctTp>

Presence: [0..1]

Definition: Contains the product type of the sale line item.

Datatype: "Max35Text" on page 1640

44.1.8.25.2 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 1642

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 1614

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 1642

44.1.8.25.5 AdditionalProductCodeType <AddtlPdctCdTp>

Presence: [0..1]

Definition: Additional type of codification used to identify a product.

Datatype: "Max35Text" on page 1640

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 1632

44.1.8.25.7 ProductDescription <PdctDesc>

Presence: [0..1]

Definition: Description of the product or item.

Datatype: "Max140Text" on page 1637

44.1.8.25.8 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 1627

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 1640

44.1.8.25.10 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "DecimalNumber" on page 1632

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 1552

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 1552

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		1118
	AdditionalType <*AddtlTp*>	[0..1]	Text		1119
	Description <*Desc*>	[0..1]	Text		1119
	Reason <*Rsn*>	[0..1]	Text		1119
	PromotionEligibility <*PrmtnElgblty*>	[0..1]	Indicator		1119
	PromotionCode <*PrmtnCd*>	[0..1]	Text		1119
	PromotionCouponNumber <*PrmtnCpnNb*>	[0..1]	Text		1119
	Quantity <*Qty*>	[0..1]	Quantity		1119
	UnitPrice <*UnitPric*>	[0..1]	Amount		1119
	Percentage <*Pctg*>	[0..1]	Rate		1120
	AdjustmentAmount <*AdjstmntAmt*>	[0..1]	Amount		1120
	TaxCalculatedOnOriginalAmount <*TaxClctdOnOrgnlAmt*>	[0..1]	Indicator		1120

44.1.8.25.13.1 Type <Tp>

Presence: [0..1]

Definition: Type of adjustment.

Datatype: "Max35Text" on page 1640

44.1.8.25.13.2 AdditionalType <AddtlTp>

Presence: [0..1]

Definition: Additional information to specify the type of adjustment.

Datatype: "Max35Text" on page 1640

44.1.8.25.13.3 Description <Desc>

Presence: [0..1]

Definition: Description of the adjustment.

Datatype: "Max70Text" on page 1642

44.1.8.25.13.4 Reason <Rsn>

Presence: [0..1]

Definition: Reason for the adjustment.

Datatype: "Max35Text" on page 1640

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 1631):

- *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 1640

44.1.8.25.13.7 PromotionCouponNumber <PrmtnCpnNb>

Presence: [0..1]

Definition: May contain coupon number, discount code, etc.

Datatype: "Max35Text" on page 1640

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 1632

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 1552

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 1633

44.1.8.25.13.11 AdjustmentAmount <AdjstmntAmt>

Presence: [0..1]

Definition: Contains amount of the adjustment, exclusive of tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1631):

- *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 1552

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 1631):

- *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 1552

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

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 1552

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		1121
	SaleReferenceIdentification <*SaleRefId*>	[0..1]	Text		1122
	SaleReferenceNumber <*SaleRefNb*>	[0..1]	Text		1122
	GoodsAndServicesType <*GoodsAndSvcsTp*>	[0..1]	CodeSet		1122
	GoodAndServicesSubType <*GoodAndSvcsSubTp*>	[0..1]	CodeSet		1122
	GoodAndServicesOtherSubType <*GoodAndSvcsOthrSubTp*>	[0..1]	Text		1122
	SplitPaymentIndicator <*SpltPmtInd*>	[0..1]	Indicator		1122
	ReceiptRequestIndicator <*RctReqInd*>	[0..1]	Indicator		1123
	ReceiptType <*RctTp*>	[0..*]	CodeSet		1123
	ReceiptDestination <*RctDstn*>	[0..1]	Text		1123

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 1640

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 1640

44.1.8.26.3 SaleReferenceNumber <SaleRefNb>

Presence: [0..1]

Definition: Identify a sale transaction assigned by the sale system.

Datatype: "Max35Text" on page 1640

44.1.8.26.4 GoodsAndServicesType <GoodsAndSvcsTp>

Presence: [0..1]

Definition: Type of goods and/or services.

Datatype: "GoodsAndServices1Code" on page 1591

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 1591

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 1640

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 1631):

- *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 1631):

- *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 1616

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 1642

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]	±		1124
	LineItem <*LineItm*>	[0..*]	±		1124

44.1.8.27.1 Summary <Summry>

Presence: [0..1]

Definition: Sale summary information.

Summary <Summry> contains the following elements (see "SaleSummary1" on page 1110 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1111
	LoyaltyProgramme <*LltyPrgrmm*>	[0..1]	±		1111
	Adjustment <*Adjstmnt*>	[0..*]			1111
	Type <*Tp*>	[0..1]	Text		1112
	AdditionalType <*AddtlTp*>	[0..1]	Text		1112
	Description <*Desc*>	[0..1]	Text		1112
	Reason <*Rsn*>	[0..1]	Text		1112
	PromotionCode <*PrmtnCd*>	[0..1]	Text		1112
	Percentage <*Pctg*>	[0..1]	Rate		1112
	AdjustmentAmount <*AdjstmntAmt*>	[0..1]	Amount		1113
	TaxCalculatedOnOriginalAmount <*TaxClctdOnOrgnlAmt*>	[0..1]	Indicator		1113

44.1.8.27.2 LineItem <LineItm>

Presence: [0..*]

Definition: Sale line item information.

LineItem <LineItm> contains the following elements (see "SaleItem2" on page 1113 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProductType <*PdctTp*>	[0..1]	Text		1115
	ProductCode <*PdctCd*>	[0..1]	Text		1115
	ProductCodeType <*PdctCdTp*>	[0..1]	CodeSet		1115
	AdditionalProductCode <*AddtlPdctCd*>	[0..1]	Text		1115
	AdditionalProductCodeType <*AddtlPdctCdTp*>	[0..1]	Text		1115
	ProductCodeModifier <*PdctCdModfr*>	[0..1]	Quantity		1116
	ProductDescription <*PdctDesc*>	[0..1]	Text		1116
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1116
	OtherUnitOfMeasure <*OthrUnitOfMeasr*>	[0..1]	Text		1117
	ProductQuantity <*PdctQty*>	[0..1]	Quantity		1118
	NonAdjustedUnitPrice <*NonAdjstdUnitPric*>	[0..1]	Amount		1118
	NonAdjustedTotalAmount <*NonAdjstdTtlAmt*>	[0..1]	Amount		1118
	Adjustment <*Adjstmnt*>	[0..*]			1118
	Type <*Tp*>	[0..1]	Text		1118
	AdditionalType <*AddtlTp*>	[0..1]	Text		1119
	Description <*Desc*>	[0..1]	Text		1119
	Reason <*Rsn*>	[0..1]	Text		1119
	PromotionEligibility <*PrmtnElgblty*>	[0..1]	Indicator		1119
	PromotionCode <*PrmtnCd*>	[0..1]	Text		1119
	PromotionCouponNumber <*PrmtnCpnNb*>	[0..1]	Text		1119
	Quantity <*Qty*>	[0..1]	Quantity		1119
	UnitPrice <*UnitPric*>	[0..1]	Amount		1119
	Percentage <*Pctg*>	[0..1]	Rate		1120
	AdjustmentAmount <*AdjstmntAmt*>	[0..1]	Amount		1120
	TaxCalculatedOnOriginalAmount <*TaxClctdOnOrgnlAmt*>	[0..1]	Indicator		1120
	AdjustedAmount <*AdjstdAmt*>	[0..1]	Amount		1120
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1120
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1120
	Tax <*Tax*>	[0..*]	±		1120
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1121

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		1128
	RentalDateTime <*RntlDtTm*>	[0..1]	DateTime		1128
	RentalStart <*RntlStart*>	[0..1]			1128
	Location <*Lctn*>	[0..1]	Text		1129
	LocationCode <*LctnCd*>	[0..1]	Text		1129
	Address <*Adr*>	[0..1]	±		1130
	Contact <*Ctct*>	[0..1]			1130
	Name <*Nm*>	[0..1]	Text		1131
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1131
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1131
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1131
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1131
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1131
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1131
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1131
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1131
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1132
	URLAddress <*URLAdr*>	[0..1]	Text		1132
	Language <*Lang*>	[0..1]	CodeSet		1132
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1132
	TimeSegment <*TmSgmt*>	[0..1]	CodeSet		1132
	JourneyInformation <*JrnyInf*>	[0..1]			1132
	JourneyType <*JrnyTp*>	[0..1]	CodeSet		1133
	JourneyData <*JrnyData*>	[0..1]	Text		1133
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1133
	RentalReturn <*RntlRtr*>	[0..1]			1133
	Location <*Lctn*>	[0..1]	Text		1134
	LocationCode <*LctnCd*>	[0..1]	Text		1134
	Address <*Adr*>	[0..1]	±		1135
	Contact <*Ctct*>	[0..1]			1135
	Name <*Nm*>	[0..1]	Text		1136

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1136
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1136
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1136
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1136
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1136
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1136
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1136
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1136
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1137
	URLAddress <*URLAdr*>	[0..1]	Text		1137
	Language <*Lang*>	[0..1]	CodeSet		1137
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1137
	TimeSegment <*TmSgmt*>	[0..1]	CodeSet		1137
	JourneyInformation <*JrnyInf*>	[0..1]			1137
	JourneyType <*JrnyTp*>	[0..1]	CodeSet		1138
	JourneyData <*JrnyData*>	[0..1]	Text		1138
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1138
	RentalTimePeriod <*RntlTmPrd*>	[0..*]	CodeSet		1138
	TimePeriodUnit <*TmPrdUnit*>	[0..1]	Text		1139
	TimePeriodRate <*TmPrdRate*>	[0..1]	Amount		1139
	Currency <*Ccy*>	[0..1]	CodeSet	C2	1139

44.1.8.28.1 RentalIdentification <RntlId>

Presence: [0..1]

Definition: Identification of the car rental service.

Datatype: "Max70Text" on page 1642

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 1631

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		1129
	LocationCode <*LctnCd*>	[0..1]	Text		1129
	Address <*Adr*>	[0..1]	±		1130
	Contact <*Ctct*>	[0..1]			1130
	Name <*Nm*>	[0..1]	Text		1131
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1131
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1131
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1131
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1131
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1131
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1131
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1131
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1131
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1132
	URLAddress <*URLAdr*>	[0..1]	Text		1132
	Language <*Lang*>	[0..1]	CodeSet		1132
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1132
	TimeSegment <*TmSgmt*>	[0..1]	CodeSet		1132
	JourneyInformation <*JrnyInf*>	[0..1]			1132
	JourneyType <*JrnyTp*>	[0..1]	CodeSet		1133
	JourneyData <*JrnyData*>	[0..1]	Text		1133
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1133

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 1640

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 1640

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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		1131
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1131
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1131
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1131
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1131
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1131
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1131
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1131
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1131
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1132
	URLAddress <*URLAdr*>	[0..1]	Text		1132
	Language <*Lang*>	[0..1]	CodeSet		1132

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 1642

44.1.8.28.3.4.2 HomePhoneNumber <HomePhneNb>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.28.3.4.3 BusinessPhoneNumber <BizPhneNb>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.28.3.4.4 MobilePhoneNumber <MobPhneNb>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.28.3.4.5 OtherPhoneNumber <OthrPhneNb>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.28.3.4.6 PersonalEmailAddress <PrsnlEmailAdr>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 1639

44.1.8.28.3.4.7 BusinessEmailAddress <BizEmailAdr>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 1639

44.1.8.28.3.4.8 OtherEmailAddress <OthrEmailAdr>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 1639

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 1644

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 1644

44.1.8.28.3.4.11 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1639

44.1.8.28.3.4.12 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Datatype: "ISO2ALanguageCode" on page 1593

44.1.8.28.3.5 DateAndTime <DtAndTm>

Presence: [0..1]

Definition: Date and time of service.

Datatype: "ISODateTime" on page 1631

44.1.8.28.3.6 TimeSegment <TmSgmt>

Presence: [0..1]

Definition: Period of day pertaining to the service location.

Datatype: "TimeSegment1Code" on page 1622

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		1133
	JourneyData <*JrnyData*>	[0..1]	Text		1133
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1133

44.1.8.28.3.7.1 JourneyType <JrnyTp>

Presence: [0..1]

Definition: Type of journey.

Datatype: "JourneyType1Code" on page 1593

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 1640

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 1631

44.1.8.28.4 RentalReturn <RntlRtr>

Presence: [0..1]

Definition: Details of the vehicle at the end of the rental period.

RentalReturn <RntlRtr> contains the following **ServiceStartEnd1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Location <*Lctn*>	[0..1]	Text		1134
	LocationCode <*LctnCd*>	[0..1]	Text		1134
	Address <*Adr*>	[0..1]	±		1135
	Contact <*Ctct*>	[0..1]			1135
	Name <*Nm*>	[0..1]	Text		1136
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1136
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1136
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1136
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1136
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1136
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1136
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1136
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1136
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1137
	URLAddress <*URLAdr*>	[0..1]	Text		1137
	Language <*Lang*>	[0..1]	CodeSet		1137
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1137
	TimeSegment <*TmSgmt*>	[0..1]	CodeSet		1137
	JourneyInformation <*JrnyInf*>	[0..1]			1137
	JourneyType <*JrnyTp*>	[0..1]	CodeSet		1138
	JourneyData <*JrnyData*>	[0..1]	Text		1138
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1138

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 1640

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 1640

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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		1136
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1136
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1136
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1136
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1136
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1136
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1136
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1136
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1136
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1137
	URLAddress <*URLAdr*>	[0..1]	Text		1137
	Language <*Lang*>	[0..1]	CodeSet		1137

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 1642

44.1.8.28.4.4.2 HomePhoneNumber <HomePhneNb>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.28.4.4.3 BusinessPhoneNumber <BizPhneNb>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.28.4.4.4 MobilePhoneNumber <MobPhneNb>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.28.4.4.5 OtherPhoneNumber <OthrPhneNb>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.28.4.4.6 PersonalEmailAddress <PrsnlEmailAdr>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 1639

44.1.8.28.4.4.7 BusinessEmailAddress <BizEmailAdr>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 1639

44.1.8.28.4.4.8 OtherEmailAddress <OthrEmailAdr>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 1639

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 1644

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 1644

44.1.8.28.4.4.11 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1639

44.1.8.28.4.4.12 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Datatype: "ISO2ALanguageCode" on page 1593

44.1.8.28.4.5 DateAndTime <DtAndTm>

Presence: [0..1]

Definition: Date and time of service.

Datatype: "ISODateTime" on page 1631

44.1.8.28.4.6 TimeSegment <TmSgmt>

Presence: [0..1]

Definition: Period of day pertaining to the service location.

Datatype: "TimeSegment1Code" on page 1622

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		1138
	JourneyData <*JrnyData*>	[0..1]	Text		1138
	DateAndTime <*DtAndTm*>	[0..1]	DateTime		1138

44.1.8.28.4.7.1 JourneyType <JrnyTp>

Presence: [0..1]

Definition: Type of journey.

Datatype: "JourneyType1Code" on page 1593

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 1640

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 1631

44.1.8.28.5 RentalTimePeriod <RntlTmPrd>

Presence: [0..*]

Definition: Time period for the whole duration of rental.

Datatype: "PeriodUnit2Code" on page 1611

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 1641

44.1.8.28.7 TimePeriodRate <TmPrdRate>

Presence: [0..1]

Definition: Rate for the time period.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1593

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		1140
	PlanOwner <*PlanOwnr*>	[0..1]	CodeSet		1140
	OtherPlanOwner <*OthrPlanOwnr*>	[0..1]	Text		1141
	InstalmentPaymentType <*InstlmtPmtTp*>	[0..1]	Text		1141
	PeriodUnit <*PrdUnit*>	[0..1]	CodeSet		1141
	NumberOfPeriods <*NbOfPrds*>	[0..1]	Quantity		1141
	InterestRate <*IntrstRate*>	[0..*]			1141
	Type <*Tp*>	[0..1]	CodeSet		1142
	OtherType <*OthrTp*>	[0..1]	Text		1142
	Period <*Prd*>	[1..1]	CodeSet		1142
	Rate <*Rate*>	[1..1]	Rate		1142
	FirstPaymentDate <*FrstPmtDt*>	[0..1]	Date		1142
	FirstAmount <*FrstAmt*>	[0..1]	Amount		1143
	SubsequentAmount <*SbsqntAmt*>	[0..1]	Amount		1143
	TotalNumberOfPayments <*TtlNbOfPmts*>	[0..1]	Quantity		1143
	InstalmentCurrency <*InstlmtCcy*>	[0..1]	CodeSet	C2	1143
	GracePeriod <*GracePrd*>	[0..1]	±		1143
	AmountDetails <*AmtDtls*>	[0..*]	±		1144
	GrandTotalAmount <*GrdTtlAmt*>	[0..1]	Amount		1144

44.1.8.29.1 PlanIdentification <PlanId>

Presence: [0..1]

Definition: Identification of the instalment plan.

Datatype: "Max35Text" on page 1640

44.1.8.29.2 PlanOwner <PlanOwnr>

Presence: [0..1]

Definition: List of plan owners.

Datatype: "PlanOwner1Code" on page 1612

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 1640

44.1.8.29.4 InstalmentPaymentType <InstlmtPmtTp>

Presence: [0..1]

Definition: Instalment payment type.

Datatype: "Max35Text" on page 1640

44.1.8.29.5 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period unit between consecutive payments.

Datatype: "Frequency12Code" on page 1590

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 1633

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		1142
	OtherType <*OthrTp*>	[0..1]	Text		1142
	Period <*Prd*>	[1..1]	CodeSet		1142
	Rate <*Rate*>	[1..1]	Rate		1142

44.1.8.29.7.1 Type <Tp>

Presence: [0..1]

Definition: Interest rate applicable to the instalment.

Datatype: "InterestRate1Code" on page 1592

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 1640

44.1.8.29.7.3 Period <Prd>

Presence: [1..1]

Definition: Contains instalment period

Datatype: "InstalmentPeriod1Code" on page 1592

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 1633

44.1.8.29.8 FirstPaymentDate <FrstPmtDt>

Presence: [0..1]

Definition: Date of the first payment.

Datatype: "ISODate" on page 1631

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 1552

44.1.8.29.10 SubsequentAmount <SbsqntAmt>

Presence: [0..1]

Definition: Amount of subsequent payments.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.8.29.11 TotalNumberOfPayments <TtlNbOfPmts>

Presence: [0..1]

Definition: Total number of instalment payments.

ISO 8583 bit 59

Datatype: "Number" on page 1633

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 1593

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 1199 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Time <*Tm*>	[1..1]	Text		1200
	UnitType <*UnitTp*>	[1..1]	CodeSet		1200
	OtherUnitType <*OthrUnitTp*>	[0..1]	Text		1200

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 982 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		982
	OtherType <*OthrTp*>	[0..1]	Text		983
	SubType <*SubTp*>	[0..1]	Text		983
	Amount <*Amt*>	[0..1]	±		983
	Percentage <*Pctg*>	[0..1]	Rate		983

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 1552

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		1145
	Reservation <*Rsvatn*>	[0..1]			1145
	System <*Sys*>	[0..1]	Text		1146
	ReservationNumber <*RsvatnNb*>	[0..1]	Text		1146
	OriginalSystem <*OrgnlSys*>	[0..1]	Text		1146
	OriginalReservationNumber <*OrgnlRsvatnNb*>	[0..1]	Text		1146
	TravelAuthorisationCode <*TrvlAuthstnCd*>	[0..1]	Text		1146
	TicketIssuer <*TcktIssr*>	[0..1]	Text		1146
	OpenTicketIndicator <*OpnTcktInd*>	[0..1]	Indicator		1147
	CustomerReference <*CstmrRef*>	[0..*]			1147
	Identification <*Id*>	[0..1]	Text		1147
	Detail <*Dtl*>	[0..1]	Text		1147
	Passenger <*Pssngr*>	[0..*]	±		1147
	Departure <*Dprture*>	[0..1]	±		1148
	Duration <*Drtn*>	[0..1]	Text		1148
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1148
	TotalAmount <*TtlAmt*>	[0..1]			1149
	Type <*Tp*>	[0..1]	CodeSet		1149
	OtherType <*OthrTp*>	[0..1]	Text		1150
	Amount <*Amt*>	[1..1]	Amount		1150
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1150
	Tax <*Tax*>	[0..*]	±		1150
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1150
	LoyaltyProgramme <*LltyPrgrmm*>	[0..1]	±		1151
	AdditionalData <*AddtlData*>	[0..1]	Text		1151

44.1.8.30.1 DocumentNumber <DocNb>

Presence: [0..1]

Definition: Unique identification number of the document.

Datatype: "Max35Text" on page 1640

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		1146
	ReservationNumber <*RsvatnNb*>	[0..1]	Text		1146
	OriginalSystem <*OrgnlSys*>	[0..1]	Text		1146
	OriginalReservationNumber <*OrgnlRsvatnNb*>	[0..1]	Text		1146

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 1641

44.1.8.30.2.2 ReservationNumber <RsvatnNb>

Presence: [0..1]

Definition: Value that uniquely identifies the reservation.

Datatype: "Max35Text" on page 1640

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 1641

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 1640

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 1642

44.1.8.30.4 TicketIssuer <TcktIssr>

Presence: [0..1]

Definition: Name of the issuing ticket agent.

Datatype: "Max35Text" on page 1640

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 1631):

- *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		1147
	Detail <*Dtl*>	[0..1]	Text		1147

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 1640

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 1642

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 1346 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1347
	Identification <*Id*>	[1..1]			1347
	Type <*Tp*>	[1..1]	Text		1347
	OtherType <*OthrTp*>	[0..1]	Text		1347
	Identification <*Id*>	[1..1]	Text		1348
	Assigner <*Assgnr*>	[0..1]	Text		1348
	CustomerFileReferenceNumber <*CstmrFileRefNb*>	[0..1]	Text		1348
	Age <*Age*>	[0..1]	Text		1348
	Address <*Adr*>	[0..1]	±		1348
	Contact <*Ctct*>	[0..1]	±		1348

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 1256 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Location <*Lctn*>	[0..1]	Text		1256
	Description <*Desc*>	[0..1]	Text		1256
	Date <*Dt*>	[0..1]	Date		1256
	Time <*Tm*>	[0..1]	Time		1256

44.1.8.30.9 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the trip in days.

Datatype: "Max4NumericText" on page 1641

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 1631):

- *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		1149
	OtherType <*OthrTp*>	[0..1]	Text		1150
	Amount <*Amt*>	[1..1]	Amount		1150
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1150
	Tax <*Tax*>	[0..*]	±		1150

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 1625

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 1640

44.1.8.30.11.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1631):

- *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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

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 1640

44.1.8.30.13 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..1]

Definition: Loyalty programme details.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "LoyaltyProgramme2" on page 1155 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProgrammeType <*PrgrmmTp*>	[0..1]	Text		1156
	ProgramIdentification <*PrgmId*>	[0..1]	Text		1156
	ParticipantIdentification <*PtcptId*>	[0..1]	Text		1156

44.1.8.30.14 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the transportation.

Datatype: "Max350Text" on page 1639

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]	±		1151
	TripLeg <*TripLeg*>	[0..*]	±		1152
	AncillaryPurchase <*AncllryPurchs*>	[0..*]	±		1154
	HiredVehicleDetails <*HirdVhclDtls*>	[0..*]	±		1155

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 1144 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	DocumentNumber <*DocNb*>	[0..1]	Text		1145
	Reservation <*Rsvatn*>	[0..1]			1145
	System <*Sys*>	[0..1]	Text		1146
	ReservationNumber <*RsvatnNb*>	[0..1]	Text		1146
	OriginalSystem <*OrgnlSys*>	[0..1]	Text		1146
	OriginalReservationNumber <*OrgnlRsvatnNb*>	[0..1]	Text		1146
	TravelAuthorisationCode <*TrvlAuthstnCd*>	[0..1]	Text		1146
	TicketIssuer <*TcktIssr*>	[0..1]	Text		1146
	OpenTicketIndicator <*OpnTcktInd*>	[0..1]	Indicator		1147
	CustomerReference <*CstmrRef*>	[0..*]			1147
	Identification <*Id*>	[0..1]	Text		1147
	Detail <*Dtl*>	[0..1]	Text		1147
	Passenger <*Pssngr*>	[0..*]	±		1147
	Departure <*Dprture*>	[0..1]	±		1148
	Duration <*Drtn*>	[0..1]	Text		1148
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1148
	TotalAmount <*TtlAmt*>	[0..1]			1149
	Type <*Tp*>	[0..1]	CodeSet		1149
	OtherType <*OthrTp*>	[0..1]	Text		1150
	Amount <*Amt*>	[1..1]	Amount		1150
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1150
	Tax <*Tax*>	[0..*]	±		1150
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1150
	LoyaltyProgramme <*LltyPrgrmm*>	[0..1]	±		1151
	AdditionalData <*AddtlData*>	[0..1]	Text		1151

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 1054 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SequenceNumber <*SeqNb*>	[0..1]	Text		1056
	Ticket <*Tckt*>	[0..1]			1056
	TicketNumber <*TcktNb*>	[0..1]	Text		1057
	TicketIssuer <*TcktIssr*>	[0..1]	±		1057
	TicketIssueDate <*TcktIsseDt*>	[0..1]	Date		1058
	TicketIssueLocation <*TcktIsseLctn*>	[0..1]	Text		1058
	ConjunctionTicketNumber <*CnjnctnTcktNb*>	[0..1]	Text		1058
	RestrictedTicketIndicator <*RstrctdTcktInd*>	[0..1]	Indicator		1058
	OpenTicketIndicator <*OpnTcktInd*>	[0..1]	Indicator		1058
	Restrictions <*Rstrctns*>	[0..1]	Text		1058
	ExchangedTicketIndicator <*XchgdTcktInd*>	[0..1]	Indicator		1059
	ExchangedTicketNumber <*XchgdTcktNb*>	[0..1]	Text		1059
	RecordLocatorNumber <*RcrdLctrNb*>	[0..1]	Text		1059
	Reservation <*Rsvatn*>	[0..1]			1059
	System <*Sys*>	[0..1]	Text		1059
	ReservationNumber <*RsvatnNb*>	[0..1]	Text		1059
	OriginalSystem <*OrgnlSys*>	[0..1]	Text		1060
	OriginalReservationNumber <*OrgnlRsvatnNb*>	[0..1]	Text		1060
	Document <*Doc*>	[0..*]			1060
	Type <*Tp*>	[0..1]	Text		1060
	Reference <*Ref*>	[0..1]	Text		1060
	ProcedureReference <*PrcdrRef*>	[0..1]	Text		1060
	TransportType <*TrnsprtTp*>	[0..1]	CodeSet		1060
	OtherTransportType <*OthrTrnsprtTp*>	[0..1]	Text		1061
	CommodityCode <*CmmdtyCd*>	[0..1]	Text		1061
	Carrier <*Crrier*>	[0..1]			1061
	Name <*Nm*>	[0..1]	Text		1061
	Code <*Cd*>	[0..1]	Text		1061
	IATACode <*IATACd*>	[0..1]	Text		1062
	RouteNumber <*RouteNb*>	[0..1]	Text		1062
	ServiceClass <*SvcClss*>	[0..1]	Text		1062

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Departure <*Dprture*>	[0..1]	±		1062
	Arrival <*Arrvl*>	[0..1]	±		1062
	Duration <*Drtn*>	[0..1]	Text		1063
	StopOverIndicator <*StopOverInd*>	[0..1]	Indicator		1063
	NonDirectRouteCode <*NonDrctRouteCd*>	[0..1]	Text		1063
	FairBasisCode <*FairBsisCd*>	[0..1]	Text		1063
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1063
	TripLegAmount <*TripLegAmt*>	[0..*]			1063
	Type <*Tp*>	[0..1]	CodeSet		1064
	OtherType <*OthrTp*>	[0..1]	Text		1064
	Amount <*Amt*>	[1..1]	Amount		1065
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1065
	Tax <*Tax*>	[0..*]	±		1065
	CreditReasonCode <*CdtRsnCd*>	[0..1]	Text		1065
	ProcedureIdentification <*PrcdrId*>	[0..1]	Text		1065
	LoyaltyProgramme <*LltyPrgrmm*>	[0..1]	±		1066
	AdditionalData <*AddtlData*>	[0..1]	Text		1066

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 1262 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AncillaryDocumentNumber <*AncllryDocNb*>	[0..1]	Text		1263
	RelatedDocumentNumber <*RltdDocNb*>	[0..1]	Text		1263
	ServiceCategoryCode <*SvcCtgyCd*>	[0..1]	Text		1263
	ServiceSubCategoryCode <*SvcSubCtgyCd*>	[0..1]	Text		1263
	ServiceProviderServiceType <*SvcPrvdrSvcTp*>	[0..1]	Text		1263
	CreditReasonCode <*CdtRsnCd*>	[0..1]	Text		1264
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1264
	Amount <*Amt*>	[0..1]	±		1264
	Fee <*Fee*>	[0..1]	Amount		1264
	Tax <*Tax*>	[1..*]	±		1264
	AdditionalData <*AddtlData*>	[0..1]	Text		1265

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, chauffered limousine, boats.

HiredVehicleDetails <HirdVhclDtls> contains the following elements (see "HiredVehicle1" on page 1198 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CompanyType <*CpnyTp*>	[0..1]	Text		1198
	CompanyName <*CpnyNm*>	[0..1]	Text		1198
	TypeOfVehicle <*TpOfVhcl*>	[0..1]	Text		1198
	VehicleIdentification <*VhclId*>	[0..1]	Text		1198
	DriverIdentification <*DrvrId*>	[0..1]	Text		1198
	DriverTaxIdentification <*DrvrTaxId*>	[0..1]	Text		1199
	Destination <*Dstn*>	[0..1]			1199
	NameAndLocation <*NmAndLctn*>	[0..1]	Text		1199
	Address <*Adr*>	[0..1]	±		1199

44.1.8.32 LoyaltyProgramme2

Definition: Loyalty programme information

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProgrammeType <*PrgrmmTp*>	[0..1]	Text		1156
	ProgramIdentification <*PrgmId*>	[0..1]	Text		1156
	ParticipantIdentification <*PtcptId*>	[0..1]	Text		1156

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 1640

44.1.8.32.2 ProgramIdentification <PrgmId>

Presence: [0..1]

Definition: Loyalty programme identification value.

Datatype: "Max70Text" on page 1642

44.1.8.32.3 ParticipantIdentification <PtcptId>

Presence: [0..1]

Definition: Loyalty programme participant identification value.

Datatype: "Max70Text" on page 1642

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 <*PrgrmmElgbltyInd*>	[0..*]	Indicator		1156
	ProgrammeIssuer <*PrgrmmIssr*>	[0..1]	Text		1157
	LoyaltyMember <*LltyMmb*>	[0..1]	±		1157

44.1.8.33.1 ProgrammeEligibilityIndicator <PrgrmmElgbltyInd>

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 1631):

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

44.1.8.33.2 ProgrammeIssuer <PrgrmmIssr>

Presence: [0..1]

Definition: Entity issuing the loyalty programme.

Datatype: "Max35Text" on page 1640

44.1.8.33.3 LoyaltyMember <LltyMmb>

Presence: [0..1]

Definition: Details about the member of the loyalty programme

LoyaltyMember <LltyMmb> contains the following elements (see "LoyaltyMember1" on page 1344 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1344
	Address <*Adr*>	[0..1]	±		1344
	Identification <*Id*>	[0..1]	Text		1345
	MemberStatus <*MmbSts*>	[0..1]	Text		1345
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1345
	LoyaltyValue <*LltyVal*>	[0..1]	Text		1345
	LoyaltyValueType <*LltyValTp*>	[0..1]	CodeSet		1345
	OtherLoyaltyValueType <*OthrLltyValTp*>	[0..1]	Text		1345
	ValueToCredit <*ValToCdt*>	[0..1]	Text		1345
	ValueToDebit <*ValToDbt*>	[0..1]	Text		1346
	Balance <*Bal*>	[0..1]	Text		1346

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		1158
	Property <*Prprty*>	[0..1]	±		1158
	Customer <*Cstmr*>	[0..1]	±		1159
	NumberOfRooms <*NbOfRooms*>	[0..1]	Text		1160
	Room <*Room*>	[0..*]	±		1160
	Duration <*Drtn*>	[0..1]	Text		1160
	Arrival <*Arrvl*>	[0..1]	±		1161
	Departure <*Dprture*>	[0..1]	±		1161
	NoShowIndicator <*NoShowInd*>	[0..1]	Indicator		1161
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1161
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1162
	TotalTax <*TtlTax*>	[0..*]	±		1162
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1162
	AuthorisedAmount <*AuthrsdAmt*>	[0..*]	±		1162
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1162
	LoyaltyProgramme <*LltyPrgrmm*>	[0..*]	±		1163
	AdditionalData <*AddtlData*>	[0..1]	Text		1163

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 1640

44.1.8.34.2 Property <Prprty>

Presence: [0..1]

Definition: Details of the lodging property.

Property <Prprty> contains the following elements (see "LodgingProperty1" on page 1164 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1165
	OtherType <*OthrTp*>	[0..1]	Text		1166
	PrestigiousProperty <*PrstgsPrprty*>	[0..1]	Text		1166
	Name <*Nm*>	[0..1]	Text		1166
	Identification <*Id*>	[1..1]	±		1166
	Location <*Lctn*>	[0..1]			1167
	LocationCode <*LctnCd*>	[0..1]	Text		1167
	LocationName <*LctnNm*>	[0..1]	Text		1167
	Description <*Desc*>	[0..1]	Text		1167
	Address <*Adr*>	[0..1]	±		1167
	LocalTimeZone <*LclTmZone*>	[0..1]	Text		1168
	LocalCurrency <*LclCcy*>	[0..1]	CodeSet	C2	1168
	Assigner <*Assgnr*>	[0..1]	CodeSet		1168
	Contact <*Ctct*>	[0..1]			1169
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1169
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1169
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1169
	Email <*Email*>	[0..1]	Text		1170
	FaxNumber <*FaxNb*>	[0..1]	Text		1170
	URLAddress <*URLAdr*>	[0..1]	Text		1170
	Language <*Lang*>	[0..1]	CodeSet	C3	1170
	Country <*Ctry*>	[0..1]	Text		1170
	FireSafetyActIndicator <*FireSftyActInd*>	[0..1]	Indicator		1170

44.1.8.34.3 Customer <Cstmr>

Presence: [0..1]

Definition: Contains customer details.

Customer <Cstmr> contains the following elements (see "Customer5" on page 1346 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1347
	Identification <*Id*>	[1..1]			1347
	Type <*Tp*>	[1..1]	Text		1347
	OtherType <*OthrTp*>	[0..1]	Text		1347
	Identification <*Id*>	[1..1]	Text		1348
	Assigner <*Assgnr*>	[0..1]	Text		1348
	CustomerFileReferenceNumber <*CstmrFileRefNb*>	[0..1]	Text		1348
	Age <*Age*>	[0..1]	Text		1348
	Address <*Adr*>	[0..1]	±		1348
	Contact <*Ctct*>	[0..1]	±		1348

44.1.8.34.4 NumberOfRooms <NbOfRooms>

Presence: [0..1]

Definition: Number of rooms within the reservation.

Datatype: "Max4NumericText" on page 1641

44.1.8.34.5 Room <Room>

Presence: [0..*]

Definition: Contains the room details.

Room <Room> contains the following elements (see "LodgingRoom1" on page 1163 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RoomType <*RoomTp*>	[0..1]	Text		1163
	RoomLocation <*RoomLctn*>	[0..1]	Text		1163
	BedType <*BedTp*>	[0..1]	Text		1164
	GuestsPerRoom <*GstsPerRoom*>	[0..1]	Text		1164
	AdultsInRoom <*AdltsInRoom*>	[0..1]	Text		1164
	ChildrenInRoom <*ChldrnInRoom*>	[0..1]	Text		1164
	DailyRoomRate <*DalyRoomRate*>	[0..1]	Amount		1164

44.1.8.34.6 Duration <Drtn>

Presence: [0..1]

Definition: Duration of stay in days.

Datatype: "Max4NumericText" on page 1641

44.1.8.34.7 Arrival <Arrvl>

Presence: [0..1]

Definition: Lodging transaction details.

Arrival <Arrvl> contains the following elements (see "DepartureOrArrival2" on page 1255 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CarrierCode <*CrrierCd*>	[0..1]	Text		1255
	RouteNumber <*RouteNb*>	[0..1]	Text		1255
	Date <*Dt*>	[0..1]	Date		1255
	Time <*Tm*>	[0..1]	Time		1255

44.1.8.34.8 Departure <Dprture>

Presence: [0..1]

Definition: Contains departure details.

Departure <Dprture> contains the following elements (see "DepartureOrArrival1" on page 1256 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Location <*Lctn*>	[0..1]	Text		1256
	Description <*Desc*>	[0..1]	Text		1256
	Date <*Dt*>	[0..1]	Date		1256
	Time <*Tm*>	[0..1]	Time		1256

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 1631):

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

44.1.8.34.10 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 1631):

- *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 1552

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.8.34.13 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Contains the total amount of lodging expenses.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.8.34.14 AuthorisedAmount <AuthrsdAmt>

Presence: [0..*]

Definition: Contains Authorised amount details.

AuthorisedAmount <AuthrsdAmt> contains the following elements (see "AuthorisedAmount1" on page 988 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	DateTime <*DtTm*>	[0..1]	DateTime		988
	Amount <*Amt*>	[1..1]	Amount		988
	AdditionalData <*AddtlData*>	[0..1]	Text		988

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 1640

44.1.8.34.16 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..*]

Definition: Loyalty programme details.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "LoyaltyProgramme2" on page 1155 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ProgrammeType <*PrgrmmTp*>	[0..1]	Text		1156
	ProgramIdentification <*PrgmId*>	[0..1]	Text		1156
	ParticipantIdentification <*PtcptId*>	[0..1]	Text		1156

44.1.8.34.17 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the lodging.

Datatype: "Max350Text" on page 1639

44.1.8.35 LodgingRoom1

Definition: Room details

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RoomType <*RoomTp*>	[0..1]	Text		1163
	RoomLocation <*RoomLctn*>	[0..1]	Text		1163
	BedType <*BedTp*>	[0..1]	Text		1164
	GuestsPerRoom <*GstsPerRoom*>	[0..1]	Text		1164
	AdultsInRoom <*AdltsInRoom*>	[0..1]	Text		1164
	ChildrenInRoom <*ChldrnInRoom*>	[0..1]	Text		1164
	DailyRoomRate <*DalyRoomRate*>	[0..1]	Amount		1164

44.1.8.35.1 RoomType <RoomTp>

Presence: [0..1]

Definition: Type of room (for example, club/lounge level room).

Datatype: "Max35Text" on page 1640

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 1640

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 1642

44.1.8.35.4 GuestsPerRoom <GstsPerRoom>

Presence: [0..1]

Definition: Contains the number of guests in the room.

Datatype: "Max3NumericText" on page 1640

44.1.8.35.5 AdultsInRoom <AdltsInRoom>

Presence: [0..1]

Definition: Contains the number of adult guests in the room.

Datatype: "Max3NumericText" on page 1640

44.1.8.35.6 ChildrenInRoom <ChldrnInRoom>

Presence: [0..1]

Definition: Contains the number of child guests in the room.

Datatype: "Max3NumericText" on page 1640

44.1.8.35.7 DailyRoomRate <DalyRoomRate>

Presence: [0..1]

Definition: Daily rate being charged for the room.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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		1165
	OtherType <*OthrTp*>	[0..1]	Text		1166
	PrestigiousProperty <*PrstgsPrprty*>	[0..1]	Text		1166
	Name <*Nm*>	[0..1]	Text		1166
	Identification <*Id*>	[1..1]	±		1166
	Location <*Lctn*>	[0..1]			1167
	LocationCode <*LctnCd*>	[0..1]	Text		1167
	LocationName <*LctnNm*>	[0..1]	Text		1167
	Description <*Desc*>	[0..1]	Text		1167
	Address <*Adr*>	[0..1]	±		1167
	LocalTimeZone <*LclTmZone*>	[0..1]	Text		1168
	LocalCurrency <*LclCcy*>	[0..1]	CodeSet	C2	1168
	Assigner <*Assgnr*>	[0..1]	CodeSet		1168
	Contact <*Ctct*>	[0..1]			1169
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1169
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1169
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1169
	Email <*Email*>	[0..1]	Text		1170
	FaxNumber <*FaxNb*>	[0..1]	Text		1170
	URLAddress <*URLAdr*>	[0..1]	Text		1170
	Language <*Lang*>	[0..1]	CodeSet	C3	1170
	Country <*Ctry*>	[0..1]	Text		1170
	FireSafetyActIndicator <*FireSftyActInd*>	[0..1]	Indicator		1170

44.1.8.36.1 Type <Tp>

Presence: [0..1]

Definition: Type of accommodations.

Datatype: "LodgingActivity1Code" on page 1596

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 1640

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 1640

44.1.8.36.4 Name <Nm>

Presence: [0..1]

Definition: Name of the property.

Datatype: "Max35Text" on page 1640

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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		1167
	LocationName <*LctnNm*>	[0..1]	Text		1167
	Description <*Desc*>	[0..1]	Text		1167
	Address <*Adr*>	[0..1]	±		1167
	LocalTimeZone <*LclTmZone*>	[0..1]	Text		1168
	LocalCurrency <*LclCcy*>	[0..1]	CodeSet	C2	1168

44.1.8.36.6.1 LocationCode <LctnCd>

Presence: [0..1]

Definition: Contains the location code.

Datatype: "Max35Text" on page 1640

44.1.8.36.6.2 LocationName <LctnNm>

Presence: [0..1]

Definition: Name (label) of the location.

Datatype: "Max35Text" on page 1640

44.1.8.36.6.3 Description <Desc>

Presence: [0..1]

Definition: Specific explanation of the location or directions.

Datatype: "Max256Text" on page 1639

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.8.36.6.5 LocalTimeZone <LclTmZone>

Presence: [0..1]

Definition: Local time zone.

Datatype: "Max70Text" on page 1642

44.1.8.36.6.6 LocalCurrency <LclCcy>

Presence: [0..1]

Definition: Local currency.

Impacted by: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1593

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 1582

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		1169
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1169
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1169
	Email <*Email*>	[0..1]	Text		1170
	FaxNumber <*FaxNb*>	[0..1]	Text		1170
	URLAddress <*URLAdr*>	[0..1]	Text		1170
	Language <*Lang*>	[0..1]	CodeSet	C3	1170

44.1.8.36.8.1 CentralPhoneNumber <CntrlPhneNb>

Presence: [0..1]

Definition: Central phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.36.8.2 PropertyPhoneNumber <PrprtyPhneNb>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.36.8.3 TollFreePhoneNumber <TollFreePhneNb>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.36.8.4 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 1639

44.1.8.36.8.5 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 1644

44.1.8.36.8.6 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1639

44.1.8.36.8.7 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1595

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 1643

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 1631):

- *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		1171
	Time <*Tm*>	[0..1]	Time		1171
	Type <*Tp*>	[0..1]	CodeSet		1171
	OtherType <*OthrTp*>	[0..1]	Text		1172
	PostCheckOutIndicator <*PstChckOutInd*>	[0..1]	Indicator		1172
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1173
	UnitAmount <*UnitAmt*>	[0..1]	Amount		1173
	Duration <*Drtn*>	[0..1]	Text		1173
	SubTotalAmount <*SubTtlAmt*>	[0..1]	Amount		1173
	Tax <*Tax*>	[0..*]	±		1173
	AdditionalData <*AddtlData*>	[0..1]	Text		1174

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 1631

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 1644

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 1597

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 1640

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 1631):

- *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 1631):

- *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 1552

44.1.8.37.8 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the trip.

Datatype: "Max4NumericText" on page 1641

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 1552

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.8.37.11 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional data.

Datatype: "Max350Text" on page 1639

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]	±		1174
	LineItem <*LineItm*>	[0..*]	±		1175

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 1157 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FolioNumber <*FolioNb*>	[0..1]	Text		1158
	Property <*Prprty*>	[0..1]	±		1158
	Customer <*Cstmr*>	[0..1]	±		1159
	NumberOfRooms <*NbOfRooms*>	[0..1]	Text		1160
	Room <*Room*>	[0..*]	±		1160
	Duration <*Drtn*>	[0..1]	Text		1160
	Arrival <*Arrvl*>	[0..1]	±		1161
	Departure <*Dprture*>	[0..1]	±		1161
	NoShowIndicator <*NoShowInd*>	[0..1]	Indicator		1161
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1161
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1162
	TotalTax <*TtlTax*>	[0..*]	±		1162
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1162
	AuthorisedAmount <*AuthrsdAmt*>	[0..*]	±		1162
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1162
	LoyaltyProgramme <*LltyPrgrmm*>	[0..*]	±		1163
	AdditionalData <*AddtlData*>	[0..1]	Text		1163

44.1.8.38.2 LineItem <LineItm>

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.

LineItem <LineItm> contains the following elements (see "LodgingLineItem1" on page 1171 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Date <*Dt*>	[0..1]	Date		1171
	Time <*Tm*>	[0..1]	Time		1171
	Type <*Tp*>	[0..1]	CodeSet		1171
	OtherType <*OthrTp*>	[0..1]	Text		1172
	PostCheckOutIndicator <*PstChckOutInd*>	[0..1]	Indicator		1172
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1173
	UnitAmount <*UnitAmt*>	[0..1]	Amount		1173
	Duration <*Drtn*>	[0..1]	Text		1173
	SubTotalAmount <*SubTtlAmt*>	[0..1]	Amount		1173
	Tax <*Tax*>	[0..*]	±		1173
	AdditionalData <*AddtlData*>	[0..1]	Text		1174

44.1.8.39 InvoiceSummary1

Definition: Summary information about the sale

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	InvoiceNumber <*InvcNb*>	[0..1]	Text		1178
	Seller <*Sellr*>	[0..1]			1178
	Name <*Nm*>	[0..1]	Text		1178
	Identification <*Id*>	[0..1]	±		1179
	Address <*Adr*>	[0..1]	±		1179
	Contact <*Ctct*>	[0..1]			1179
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1180
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1180
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1180
	Email <*Email*>	[0..1]	Text		1180
	FaxNumber <*FaxNb*>	[0..1]	Text		1180
	URLAddress <*URLAdr*>	[0..1]	Text		1180
	Language <*Lang*>	[0..1]	CodeSet	C3	1181
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1181
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1181
	Buyer <*Buyr*>	[0..1]			1181
	Name <*Nm*>	[0..1]	Text		1182
	Identification <*Id*>	[0..1]	±		1182
	Address <*Adr*>	[0..1]	±		1182
	Contact <*Ctct*>	[0..1]			1183
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1183
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1183
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1184
	Email <*Email*>	[0..1]	Text		1184
	FaxNumber <*FaxNb*>	[0..1]	Text		1184
	URLAddress <*URLAdr*>	[0..1]	Text		1184
	Language <*Lang*>	[0..1]	CodeSet	C3	1184
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1184
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1184
	InvoiceDate <*InvcDt*>	[0..1]	Date		1184
	InvoiceCreationDateTime <*InvcCreDtTm*>	[0..1]	DateTime		1185

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1185
	FreightAmount <*FrghtAmt*>	[0..1]	Amount		1185
	TaxTotal <*TaxTtl*>	[0..*]	±		1185
	TaxReclaimMethod <*TaxRclmMtd*>	[0..1]	CodeSet		1185
	AdditionalData <*AddtlData*>	[0..1]	Text		1186

44.1.8.39.1 InvoiceNumber <InvcNb>

Presence: [0..1]

Definition: Contains the invoice number.

Datatype: "Max70Text" on page 1642

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		1178
	Identification <*Id*>	[0..1]	±		1179
	Address <*Adr*>	[0..1]	±		1179
	Contact <*Ctct*>	[0..1]			1179
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1180
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1180
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1180
	Email <*Email*>	[0..1]	Text		1180
	FaxNumber <*FaxNb*>	[0..1]	Text		1180
	URLAddress <*URLAdr*>	[0..1]	Text		1180
	Language <*Lang*>	[0..1]	CodeSet	C3	1181
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1181
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1181

44.1.8.39.2.1 Name <Nm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max70Text" on page 1642

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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		1180
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1180
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1180
	Email <*Email*>	[0..1]	Text		1180
	FaxNumber <*FaxNb*>	[0..1]	Text		1180
	URLAddress <*URLAdr*>	[0..1]	Text		1180
	Language <*Lang*>	[0..1]	CodeSet	C3	1181

44.1.8.39.2.4.1 CentralPhoneNumber <CntrlPhneNb>

Presence: [0..1]

Definition: Central phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.39.2.4.2 PropertyPhoneNumber <PrprtyPhneNb>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.39.2.4.3 TollFreePhoneNumber <TollFreePhneNb>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.39.2.4.4 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 1639

44.1.8.39.2.4.5 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 1644

44.1.8.39.2.4.6 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1639

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 1595

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 1642

44.1.8.39.2.6 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the seller.

Datatype: "Max1000Text" on page 1635

44.1.8.39.3 Buyer <Buyr>

Presence: [0..1]

Definition: Buyer or company buying the goods or services.

Buyer <Buyr> contains the following **PartyIdentification206** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1182
	Identification <*Id*>	[0..1]	±		1182
	Address <*Adr*>	[0..1]	±		1182
	Contact <*Ctct*>	[0..1]			1183
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1183
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1183
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1184
	Email <*Email*>	[0..1]	Text		1184
	FaxNumber <*FaxNb*>	[0..1]	Text		1184
	URLAddress <*URLAdr*>	[0..1]	Text		1184
	Language <*Lang*>	[0..1]	CodeSet	C3	1184
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1184
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1184

44.1.8.39.3.1 Name <Nm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max70Text" on page 1642

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 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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		1183
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1183
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1184
	Email <*Email*>	[0..1]	Text		1184
	FaxNumber <*FaxNb*>	[0..1]	Text		1184
	URLAddress <*URLAdr*>	[0..1]	Text		1184
	Language <*Lang*>	[0..1]	CodeSet	C3	1184

44.1.8.39.3.4.1 CentralPhoneNumber <CntrlPhneNb>

Presence: [0..1]

Definition: Central phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.39.3.4.2 PropertyPhoneNumber <PrprtyPhneNb>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.39.3.4.3 TollFreePhoneNumber <TollFreePhneNb>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.8.39.3.4.4 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 1639

44.1.8.39.3.4.5 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 1644

44.1.8.39.3.4.6 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1639

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 1595

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 1642

44.1.8.39.3.6 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the seller.

Datatype: "Max1000Text" on page 1635

44.1.8.39.4 InvoiceDate <InvcDt>

Presence: [0..1]

Definition: Effective billing date.

Datatype: "ISODate" on page 1631

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 1631

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 1640

44.1.8.39.7 FreightAmount <FrghtAmt>

Presence: [0..1]

Definition: Contains the freight charges for the entire purchase.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

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 1621

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 1639

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		1187
	OrderDate <*OrdrDt*>	[0..1]	Date		1188
	ContractNumber <*CtrctNb*>	[0..1]	Text		1188
	ShippingDate <*ShppgDt*>	[0..1]	Date		1188
	RebillingIndicator <*RbllgInd*>	[0..1]	Indicator		1188
	MedicalServicesIndicator <*MdclSvcsInd*>	[0..1]	Indicator		1188
	ShipToIndustryCode <*ShipToIndstryCd*>	[0..1]	Text		1188
	ProductCode <*PdctCd*>	[0..1]	Text		1188
	ProductQualifier <*PdctQlfr*>	[0..1]	Text		1189
	Description <*Desc*>	[0..1]	Text		1189
	TypeOfSupply <*TpOfSpply*>	[0..1]	Text		1189
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1189
	OtherUnitOfMeasure <*OthrUnitOfMeasr*>	[0..1]	Text		1191
	UnitPrice <*UnitPric*>	[0..1]	Amount		1191
	ProductQuantity <*PdctQty*>	[0..1]	Quantity		1191
	Adjustment <*Adjstmnt*>	[0..1]			1191
	Amount <*Amt*>	[1..1]	Amount		1191
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1191
	Reason <*Rsn*>	[0..1]	Text		1191
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1192
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1192
	Tax <*Tax*>	[0..*]	±		1192
	UniqueVATInvoiceReference <*UnqVATInvcRef*>	[0..1]	Text		1192
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1192
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1193
	ZeroCostToCustomerIndicator <*ZeroCostToCstmrInd*>	[0..1]	Indicator		1193
	AdditionalData <*AddtlData*>	[0..1]	Text		1193

44.1.8.40.1 Date <Dt>

Presence: [0..1]

Definition: Invoice date.

Datatype: "ISODate" on page 1631

44.1.8.40.2 OrderDate <OrdrDt>

Presence: [0..1]

Definition: Invoice order date.

Datatype: "ISODate" on page 1631

44.1.8.40.3 ContractNumber <CtrctNb>

Presence: [0..1]

Definition: Contains the corporate contract number.

Datatype: "Max70Text" on page 1642

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 1631

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 1631):

- *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 1631):

- *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 1641

44.1.8.40.8 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 1642

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 1640

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 1639

44.1.8.40.11 TypeOfSupply <TpOfSpply>

Presence: [0..1]

Definition: Indicates whether the purchase is categorized

as goods or services.

Datatype: "Max10Text" on page 1636

44.1.8.40.12 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 1627

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 1640

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 1552

44.1.8.40.15 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "DecimalNumber" on page 1632

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		1191
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1191
	Reason <*Rsn*>	[0..1]	Text		1191

44.1.8.40.16.1 Amount <Amt>

Presence: [1..1]

Definition: Contains the adjusted amount (for example, discounts).

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1631):

- *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 1640

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 1631):

- *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 1552

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.8.40.20 UniqueVATInvoiceReference <UnqVATInvcRef>

Presence: [0..1]

Definition: Identifies the value-added tax (VAT) invoice or tax receipt.

Datatype: "Max35Text" on page 1640

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 1552

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 1631):

- *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 1631):

- *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 1639

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]	±		1193
	LineItem <*LineItm*>	[0..*]	±		1195

44.1.8.41.1 Summary <Summry>

Presence: [0..1]

Definition: Invoice summary information.

Summary <Summry> contains the following elements (see "InvoiceSummary1" on page 1176 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	InvoiceNumber <*InvcNb*>	[0..1]	Text		1178
	Seller <*Sellr*>	[0..1]			1178
	Name <*Nm*>	[0..1]	Text		1178
	Identification <*Id*>	[0..1]	±		1179
	Address <*Adr*>	[0..1]	±		1179
	Contact <*Ctct*>	[0..1]			1179
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1180
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1180
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1180
	Email <*Email*>	[0..1]	Text		1180
	FaxNumber <*FaxNb*>	[0..1]	Text		1180
	URLAddress <*URLAdr*>	[0..1]	Text		1180
	Language <*Lang*>	[0..1]	CodeSet	C3	1181
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1181
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1181
	Buyer <*Buyr*>	[0..1]			1181
	Name <*Nm*>	[0..1]	Text		1182
	Identification <*Id*>	[0..1]	±		1182
	Address <*Adr*>	[0..1]	±		1182
	Contact <*Ctct*>	[0..1]			1183
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1183
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1183
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1184
	Email <*Email*>	[0..1]	Text		1184
	FaxNumber <*FaxNb*>	[0..1]	Text		1184
	URLAddress <*URLAdr*>	[0..1]	Text		1184
	Language <*Lang*>	[0..1]	CodeSet	C3	1184
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1184
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1184
	InvoiceDate <*InvcDt*>	[0..1]	Date		1184

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	InvoiceCreationDateTime <*InvcCreDtTm*>	[0..1]	DateTime		1185
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1185
	FreightAmount <*FrghtAmt*>	[0..1]	Amount		1185
	TaxTotal <*TaxTtl*>	[0..*]	±		1185
	TaxReclaimMethod <*TaxRclmMtd*>	[0..1]	CodeSet		1185
	AdditionalData <*AddtlData*>	[0..1]	Text		1186

44.1.8.41.2 LineItem <LineItm>

Presence: [0..*]

Definition: Line item information.

LineItem <LineItm> contains the following elements (see "InvoiceLineItem1" on page 1186 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Date <*Dt*>	[0..1]	Date		1187
	OrderDate <*OrdrDt*>	[0..1]	Date		1188
	ContractNumber <*CtrctNb*>	[0..1]	Text		1188
	ShippingDate <*ShppgDt*>	[0..1]	Date		1188
	RebillingIndicator <*RbllgInd*>	[0..1]	Indicator		1188
	MedicalServicesIndicator <*MdclSvcsInd*>	[0..1]	Indicator		1188
	ShipToIndustryCode <*ShipToIndstryCd*>	[0..1]	Text		1188
	ProductCode <*PdctCd*>	[0..1]	Text		1188
	ProductQualifier <*PdctQlfr*>	[0..1]	Text		1189
	Description <*Desc*>	[0..1]	Text		1189
	TypeOfSupply <*TpOfSpply*>	[0..1]	Text		1189
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1189
	OtherUnitOfMeasure <*OthrUnitOfMeasr*>	[0..1]	Text		1191
	UnitPrice <*UnitPric*>	[0..1]	Amount		1191
	ProductQuantity <*PdctQty*>	[0..1]	Quantity		1191
	Adjustment <*Adjstmnt*>	[0..1]			1191
	Amount <*Amt*>	[1..1]	Amount		1191
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1191
	Reason <*Rsn*>	[0..1]	Text		1191
	InsuranceIndicator <*InsrncInd*>	[0..1]	Indicator		1192
	InsuranceAmount <*InsrncAmt*>	[0..1]	Amount		1192
	Tax <*Tax*>	[0..*]	±		1192
	UniqueVATInvoiceReference <*UnqVATInvcRef*>	[0..1]	Text		1192
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1192
	CreditIndicator <*CdtInd*>	[0..1]	Indicator		1193
	ZeroCostToCustomerIndicator <*ZeroCostToCstmrInd*>	[0..1]	Indicator		1193
	AdditionalData <*AddtlData*>	[0..1]	Text		1193

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		1197
	Plan <*Plan*>	[0..*]	±		1197

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 1633

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 1139 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PlanIdentification <*PlanId*>	[0..1]	Text		1140
	PlanOwner <*PlanOwnr*>	[0..1]	CodeSet		1140
	OtherPlanOwner <*OthrPlanOwnr*>	[0..1]	Text		1141
	InstalmentPaymentType <*InstlmtPmtTp*>	[0..1]	Text		1141
	PeriodUnit <*PrdUnit*>	[0..1]	CodeSet		1141
	NumberOfPeriods <*NbOfPrds*>	[0..1]	Quantity		1141
	InterestRate <*IntrstRate*>	[0..*]			1141
	Type <*Tp*>	[0..1]	CodeSet		1142
	OtherType <*OthrTp*>	[0..1]	Text		1142
	Period <*Prd*>	[1..1]	CodeSet		1142
	Rate <*Rate*>	[1..1]	Rate		1142
	FirstPaymentDate <*FrstPmtDt*>	[0..1]	Date		1142
	FirstAmount <*FrstAmt*>	[0..1]	Amount		1143
	SubsequentAmount <*SbsqntAmt*>	[0..1]	Amount		1143
	TotalNumberOfPayments <*TtlNbOfPmts*>	[0..1]	Quantity		1143
	InstalmentCurrency <*InstlmtCcy*>	[0..1]	CodeSet	C2	1143
	GracePeriod <*GracePrd*>	[0..1]	±		1143
	AmountDetails <*AmtDtls*>	[0..*]	±		1144
	GrandTotalAmount <*GrdTtlAmt*>	[0..1]	Amount		1144

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, chauffered limousine, boats.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CompanyType <*CpnyTp*>	[0..1]	Text		1198
	CompanyName <*CpnyNm*>	[0..1]	Text		1198
	TypeOfVehicle <*TpOfVhcl*>	[0..1]	Text		1198
	VehicleIdentification <*VhclId*>	[0..1]	Text		1198
	DriverIdentification <*DrvrId*>	[0..1]	Text		1198
	DriverTaxIdentification <*DrvrTaxId*>	[0..1]	Text		1199
	Destination <*Dstn*>	[0..1]			1199
	NameAndLocation <*NmAndLctn*>	[0..1]	Text		1199
	Address <*Adr*>	[0..1]	±		1199

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 1640

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 1642

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 1640

44.1.8.43.4 VehicleIdentification <VhclId>

Presence: [0..1]

Definition: Contains the identifier assigned to the vehicle.

Datatype: "Max35Text" on page 1640

44.1.8.43.5 DriverIdentification <DrvrId>

Presence: [0..1]

Definition: Contains the identifier assigned to the driver.

Datatype: "Max35Text" on page 1640

44.1.8.43.6 DriverTaxIdentification <DrvrTaxId>

Presence: [0..1]

Definition: Contains the tax identifier assigned to the driver.

Datatype: "Max35Text" on page 1640

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		1199
	Address <*Adr*>	[0..1]	±		1199

44.1.8.43.7.1 NameAndLocation <NmAndLctn>

Presence: [0..1]

Definition: Name and location of the destination.

Datatype: "Max99Text" on page 1643

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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		1200
	UnitType <*UnitTp*>	[1..1]	CodeSet		1200
	OtherUnitType <*OthrUnitTp*>	[0..1]	Text		1200

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 1640

44.1.8.44.2 UnitType <UnitTp>

Presence: [1..1]

Definition: Grace period unit type.

Datatype: "GracePeriodUnitType1Code" on page 1591

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 1640

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]			1204
	Name <*Nm*>	[0..1]	Text		1205
	Identification <*Id*>	[0..1]	Text		1206
	DrivingLicense <*DrvgLic*>	[0..1]			1206
	Type <*Tp*>	[0..1]	Text		1206
	Form <*Form*>	[0..1]	CodeSet		1206
	Identification <*Id*>	[1..1]	Text		1207
	Assigner <*Assgnr*>	[0..1]	CodeSet		1207
	IssuanceDate <*IssncDt*>	[0..1]	Date		1207
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1207
	Country <*Ctry*>	[0..1]	Text		1207
	State <*Stat*>	[0..1]	Text		1207
	Province <*Prvc*>	[0..1]	Text		1207
	OtherAuthority <*OthrAuthrty*>	[0..1]	Text		1208
	Employer <*Mplyr*>	[0..1]	Text		1208
	EmployeeIdentification <*MplyeeId*>	[0..1]	Text		1208
	DepartmentNumber <*DeptNb*>	[0..1]	Text		1208
	AdditionalIdentification <*AddtlId*>	[0..*]			1208
	Type <*Tp*>	[1..1]	CodeSet		1208
	Form <*Form*>	[0..1]	CodeSet		1209
	Identification <*Id*>	[1..1]	Text		1209
	Assigner <*Assgnr*>	[0..1]	Text		1210
	IssuanceDate <*IssncDt*>	[0..1]	Date		1210
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1210
	Country <*Ctry*>	[0..1]	Text		1210
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1210
	AdditionalData <*AddtlData*>	[0..1]	Text		1210
	Vehicle <*Vhcl*>	[0..1]			1210
	VehicleNumber <*VhclNb*>	[0..1]	Text		1212
	VehicleIdentificationNumber <*VhclIdNb*>	[0..1]	Text		1212
	FleetNumber <*FleetNb*>	[0..1]	Text		1212

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SubFleetNumber <*SubFleetNb*>	[0..1]	Text		1212
	UnitNumber <*UnitNb*>	[0..1]	Text		1212
	TrailerNumber <*TrlrNb*>	[0..1]	Text		1212
	VehicleTag <*VhclTag*>	[0..1]	Text		1212
	VehicleTagEntryMode <*VhclTagNtryMd*>	[0..1]	CodeSet		1213
	ReplacementVehicleIndicator <*RplcmntVhclInd*>	[0..1]	Indicator		1213
	Odometer <*Odmtr*>	[0..1]	Quantity		1213
	Hubometer <*Hbmtr*>	[0..1]	Quantity		1213
	MaintenanceIdentification <*MntncId*>	[0..1]	Text		1214
	OnBoardDiagnostics <*OnBrdDgnstcs*>	[0..1]			1214
	EngineIdleTime <*NgnIdleTm*>	[0..1]	Quantity		1214
	EngineTotalIdleTime <*NgnTtlIdleTm*>	[0..1]	Quantity		1215
	EngineHours <*NgnHrs*>	[0..1]	Quantity		1215
	EngineTotalTime <*NgnTtlTm*>	[0..1]	Quantity		1215
	EngineLoad <*NgnLd*>	[0..1]	Text		1215
	EngineRPM <*NgnRPM*>	[0..1]	Text		1215
	EngineOilTemperature <*NgnOilTmprtr*>	[0..1]	Quantity		1215
	EngineOilPressure <*NgnOilPrssr*>	[0..1]	Text		1215
	EngineOilLifeRemaining <*NgnOilLifeRmng*>	[0..1]	Text		1216
	CheckEngineWarningStatus <*ChckNgnWrngSts*>	[0..1]	Text		1216
	FuelTankLevelStart <*FuelTankLvlStart*>	[0..1]	Text		1216
	FuelGaugeLevel <*FuelGaugeLvl*>	[0..1]	Text		1216
	FuelEconomy <*FuelEcnmy*>	[0..1]	Quantity		1216
	RefrigerationHours <*RfrgrtnHrs*>	[0..1]	Quantity		1216
	RefrigerationTemperature <*RfrgrtnTmprtr*>	[0..1]	Quantity		1216
	CoolantTemperature <*CoolntTmprtr*>	[0..1]	Quantity		1216
	BatteryVoltage <*BttryVltg*>	[0..1]	Text		1217
	HardBraking <*HardBrakg*>	[0..1]	Text		1217
	HardAcceleration <*HardAcclrtn*>	[0..1]	Text		1217
	AdditionalVehicleData <*AddtlVhclData*>	[0..*]			1217
	Type <*Tp*>	[0..1]	Text		1217

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	EntryMode <*NtryMd*>	[0..1]	CodeSet		1217
	Data <*Data*>	[1..1]	Text		1218
	DriverOrVehicleCard <*DrvrOrVhclCard*>	[0..1]			1218
	DriverOrVehicleIdentification <*DrvrOrVhclId*>	[0..1]	Text		1218
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1218
	CardFuelPromptCode <*CardFuelPrmptCd*>	[0..1]	Quantity		1218
	AgentFuelPromptCode <*AgtFuelPrmptCd*>	[0..1]	Text		1218
	TripInformation <*TripInf*>	[0..1]			1219
	TripNumber <*TripNb*>	[0..1]	Text		1219
	JobNumber <*JobNb*>	[0..1]	Text		1219
	WorkOrder <*WorkOrdr*>	[0..1]	Text		1219
	InvoiceNumber <*InvcNb*>	[0..1]	Text		1219
	BillingIdentification <*BllgId*>	[0..1]	Text		1219
	ControlNumber <*CtrlNb*>	[0..1]	Text		1220
	DeliveryTicketNumber <*DlvryTcktNb*>	[0..1]	Text		1220
	LocalAmenity <*LclAmnty*>	[0..*]			1220
	Type <*Tp*>	[1..1]	CodeSet		1220
	OtherType <*OthrTp*>	[0..1]	Text		1221
	AvailableIndicator <*AvlblInd*>	[0..1]	Indicator		1221
	TransactionRelatedData <*TxRltdData*>	[0..*]			1221
	PurchaseType <*PurchsTp*>	[0..1]	CodeSet		1222
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1222
	DiscountTotal <*DscntTtl*>	[0..1]			1222
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1222
	FuelAmount <*FuelAmt*>	[0..1]	Amount		1222
	NonFuelAmount <*NonFuelAmt*>	[0..1]	Amount		1222
	TaxTotal <*TaxTtl*>	[0..*]	±		1223
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1223
	AdditionalData <*AddtlData*>	[0..1]			1223
	EnteredDataNumeric <*NtrdDataNmrc*>	[0..1]	Text		1223
	EnteredDataAlphaNumeric <*NtrdDataAlphaNmrc*>	[0..1]	Text		1223

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalData <*AddtlData*>	[0..1]	Text		1224

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		1205
	Identification <*Id*>	[0..1]	Text		1206
	DrivingLicense <*DrvgLic*>	[0..1]			1206
	Type <*Tp*>	[0..1]	Text		1206
	Form <*Form*>	[0..1]	CodeSet		1206
	Identification <*Id*>	[1..1]	Text		1207
	Assigner <*Assgnr*>	[0..1]	CodeSet		1207
	IssuanceDate <*IssncDt*>	[0..1]	Date		1207
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1207
	Country <*Ctry*>	[0..1]	Text		1207
	State <*Stat*>	[0..1]	Text		1207
	Province <*Prvc*>	[0..1]	Text		1207
	OtherAuthority <*OthrAuthrty*>	[0..1]	Text		1208
	Employer <*Mplyr*>	[0..1]	Text		1208
	EmployeeIdentification <*MplyeeId*>	[0..1]	Text		1208
	DepartmentNumber <*DeptNb*>	[0..1]	Text		1208
	AdditionalIdentification <*AddtlId*>	[0..*]			1208
	Type <*Tp*>	[1..1]	CodeSet		1208
	Form <*Form*>	[0..1]	CodeSet		1209
	Identification <*Id*>	[1..1]	Text		1209
	Assigner <*Assgnr*>	[0..1]	Text		1210
	IssuanceDate <*IssncDt*>	[0..1]	Date		1210
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1210
	Country <*Ctry*>	[0..1]	Text		1210
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1210
	AdditionalData <*AddtlData*>	[0..1]	Text		1210

44.1.8.45.1.1 Name <Nm>

Presence: [0..1]

Definition: Name of fleet driver.

Datatype: "Max70Text" on page 1642

44.1.8.45.1.2 Identification <Id>

Presence: [0..1]

Definition: Fleet driver identification.

Datatype: "Max70Text" on page 1642

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		1206
	Form <*Form*>	[0..1]	CodeSet		1206
	Identification <*Id*>	[1..1]	Text		1207
	Assigner <*Assgnr*>	[0..1]	CodeSet		1207
	IssuanceDate <*IssncDt*>	[0..1]	Date		1207
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1207
	Country <*Ctry*>	[0..1]	Text		1207
	State <*Stat*>	[0..1]	Text		1207
	Province <*Prvc*>	[0..1]	Text		1207
	OtherAuthority <*OthrAuthrty*>	[0..1]	Text		1208

44.1.8.45.1.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of driving license.

Datatype: "Max70Text" on page 1642

44.1.8.45.1.3.2 Form <Form>

Presence: [0..1]

Definition: Form of driving license.

Datatype: "PresentationMedium2Code" on page 1614

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 1642

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 1595

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 1631

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 1631

44.1.8.45.1.3.7 Country <Ctry>

Presence: [0..1]

Definition: Country issuing the driver license.

Datatype: "Min2Max3AlphaText" on page 1643

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 1637

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 1637

44.1.8.45.1.3.10 OtherAuthority <OthrAuthrty>

Presence: [0..1]

Definition: Other authority issuing a driver license.

Datatype: "Max16Text" on page 1637

44.1.8.45.1.4 Employer <Mplyr>

Presence: [0..1]

Definition: Contains the employer information.

Datatype: "Max70Text" on page 1642

44.1.8.45.1.5 EmployeeIdentification <MplyeeId>

Presence: [0..1]

Definition: Contains the employee identification number as assigned by the fleet operator.

Datatype: "Max70Text" on page 1642

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 1640

44.1.8.45.1.7 AdditionalIdentification <AddtlId>

Presence: [0..*]

Definition: Additional identification used for the driver.

AdditionalIdentification <AddtlId> contains the following **TravelDocument1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1208
	Form <*Form*>	[0..1]	CodeSet		1209
	Identification <*Id*>	[1..1]	Text		1209
	Assigner <*Assgnr*>	[0..1]	Text		1210
	IssuanceDate <*IssncDt*>	[0..1]	Date		1210
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1210
	Country <*Ctry*>	[0..1]	Text		1210

44.1.8.45.1.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of travel document.

Datatype: "OfficialDocumentType1Code" on page 1604

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 1614

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 1642

44.1.8.45.1.7.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Party assigning the travel document.

Datatype: "Max70Text" on page 1642

44.1.8.45.1.7.5 IssuanceDate <IssncDt>

Presence: [0..1]

Definition: Issuance date of travel document.

Datatype: "ISODate" on page 1631

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 1631

44.1.8.45.1.7.7 Country <Ctry>

Presence: [0..1]

Definition: Country issuing the travel document.

Datatype: "Min2Max3AlphaText" on page 1643

44.1.8.45.1.8 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of vehicle rental driver.

Datatype: "ISODate" on page 1631

44.1.8.45.1.9 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional fleet summary-level information.

Datatype: "Max350Text" on page 1639

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		1212
	VehicleIdentificationNumber <*VhclIdNb*>	[0..1]	Text		1212
	FleetNumber <*FleetNb*>	[0..1]	Text		1212
	SubFleetNumber <*SubFleetNb*>	[0..1]	Text		1212
	UnitNumber <*UnitNb*>	[0..1]	Text		1212
	TrailerNumber <*TrlrNb*>	[0..1]	Text		1212
	VehicleTag <*VhclTag*>	[0..1]	Text		1212
	VehicleTagEntryMode <*VhclTagNtryMd*>	[0..1]	CodeSet		1213
	ReplacementVehicleIndicator <*RplcmntVhclInd*>	[0..1]	Indicator		1213
	Odometer <*Odmtr*>	[0..1]	Quantity		1213
	Hubometer <*Hbmtr*>	[0..1]	Quantity		1213
	MaintenanceIdentification <*MntncId*>	[0..1]	Text		1214
	OnBoardDiagnostics <*OnBrdDgnstcs*>	[0..1]			1214
	EngineIdleTime <*NgnIdleTm*>	[0..1]	Quantity		1214
	EngineTotalIdleTime <*NgnTtlIdleTm*>	[0..1]	Quantity		1215
	EngineHours <*NgnHrs*>	[0..1]	Quantity		1215
	EngineTotalTime <*NgnTtlTm*>	[0..1]	Quantity		1215
	EngineLoad <*NgnLd*>	[0..1]	Text		1215
	EngineRPM <*NgnRPM*>	[0..1]	Text		1215
	EngineOilTemperature <*NgnOilTmprtr*>	[0..1]	Quantity		1215
	EngineOilPressure <*NgnOilPrssr*>	[0..1]	Text		1215
	EngineOilLifeRemaining <*NgnOilLifeRmng*>	[0..1]	Text		1216
	CheckEngineWarningStatus <*ChckNgnWrngSts*>	[0..1]	Text		1216
	FuelTankLevelStart <*FuelTankLvlStart*>	[0..1]	Text		1216
	FuelGaugeLevel <*FuelGaugeLvl*>	[0..1]	Text		1216
	FuelEconomy <*FuelEcnmy*>	[0..1]	Quantity		1216
	RefrigerationHours <*RfrgrtnHrs*>	[0..1]	Quantity		1216
	RefrigerationTemperature <*RfrgrtnTmprtr*>	[0..1]	Quantity		1216
	CoolantTemperature <*CoolntTmprtr*>	[0..1]	Quantity		1216
	BatteryVoltage <*BttryVltg*>	[0..1]	Text		1217
	HardBraking <*HardBrakg*>	[0..1]	Text		1217

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	HardAcceleration <*HardAcclrtn*>	[0..1]	Text		1217
	AdditionalVehicleData <*AddtlVhclData*>	[0..*]			1217
	Type <*Tp*>	[0..1]	Text		1217
	EntryMode <*NtryMd*>	[0..1]	CodeSet		1217
	Data <*Data*>	[1..1]	Text		1218

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 1640

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 1640

44.1.8.45.2.3 FleetNumber <FleetNb>

Presence: [0..1]

Definition: Fleet number.

Datatype: "Max10Text" on page 1636

44.1.8.45.2.4 SubFleetNumber <SubFleetNb>

Presence: [0..1]

Definition: Sub fleet number.

Datatype: "Max35Text" on page 1640

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 1640

44.1.8.45.2.6 TrailerNumber <TrlrNb>

Presence: [0..1]

Definition: Identification number assigned to the trailer.

Datatype: "Max35NumericText" on page 1640

44.1.8.45.2.7 VehicleTag <VhclTag>

Presence: [0..1]

Definition: Registration tag of the vehicle.

Datatype: "Max35Text" on page 1640

44.1.8.45.2.8 VehicleTagEntryMode <VhclTagNtryMd>

Presence: [0..1]

Definition: Entry mode of the registration tag.

Datatype: "CardDataReading5Code" on page 1576

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 <RplcmntVhclInd>

Presence: [0..1]

Definition: True indicates a replacement vehicle.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1631):

- *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 1632

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 1632

44.1.8.45.2.12 MaintenanceIdentification <MntncId>

Presence: [0..1]

Definition: Identification assigned to the vehicle related to maintenance.

Datatype: "Max35Text" on page 1640

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		1214
	EngineTotalIdleTime <*NgnTtlIdleTm*>	[0..1]	Quantity		1215
	EngineHours <*NgnHrs*>	[0..1]	Quantity		1215
	EngineTotalTime <*NgnTtlTm*>	[0..1]	Quantity		1215
	EngineLoad <*NgnLd*>	[0..1]	Text		1215
	EngineRPM <*NgnRPM*>	[0..1]	Text		1215
	EngineOilTemperature <*NgnOilTmprtr*>	[0..1]	Quantity		1215
	EngineOilPressure <*NgnOilPrssr*>	[0..1]	Text		1215
	EngineOilLifeRemaining <*NgnOilLifeRmng*>	[0..1]	Text		1216
	CheckEngineWarningStatus <*ChckNgnWrngSts*>	[0..1]	Text		1216
	FuelTankLevelStart <*FuelTankLvlStart*>	[0..1]	Text		1216
	FuelGaugeLevel <*FuelGaugeLvl*>	[0..1]	Text		1216
	FuelEconomy <*FuelEcnmy*>	[0..1]	Quantity		1216
	RefrigerationHours <*RfrgrtnHrs*>	[0..1]	Quantity		1216
	RefrigerationTemperature <*RfrgrtnTmprtr*>	[0..1]	Quantity		1216
	CoolantTemperature <*CoolntTmprtr*>	[0..1]	Quantity		1216
	BatteryVoltage <*BttryVltg*>	[0..1]	Text		1217
	HardBraking <*HardBrakg*>	[0..1]	Text		1217
	HardAcceleration <*HardAcclrtn*>	[0..1]	Text		1217

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 1632

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 1632

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 1632

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 1632

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 1636

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 1641

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 1632

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 1640

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 1640

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 1640

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 1641

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 1641

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 1632

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 1632

44.1.8.45.2.13.15 RefrigerationTemperature <RfrgrtnTmprtr>

Presence: [0..1]

Definition: Temperature of the refrigeration unit/trailer as determined by the vehicle monitoring system.

Datatype: "Max6NumberFraction2" on page 1632

44.1.8.45.2.13.16 CoolantTemperature <CoolntTmprtr>

Presence: [0..1]

Definition: Temperature of the coolant as determined by the vehicle monitoring system.

Datatype: "Max6NumberFraction2" on page 1632

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 1641

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 1641

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 1641

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		1217
	EntryMode <*NtryMd*>	[0..1]	CodeSet		1217
	Data <*Data*>	[1..1]	Text		1218

44.1.8.45.2.14.1 Type <Tp>

Presence: [0..1]

Definition: Type of information related to the vehicle.

Datatype: "Max35Text" on page 1640

44.1.8.45.2.14.2 EntryMode <NtryMd>

Presence: [0..1]

Definition: Entry mode of the information.

Datatype: "CardDataReading5Code" on page 1576

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 1640

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		1218
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1218

44.1.8.45.3.1 DriverOrVehicleIdentification <DrvrOrVhclId>

Presence: [0..1]

Definition: Identification of the driver or vehicle.

Datatype: "Max20Text" on page 1638

44.1.8.45.3.2 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card specific data.

Datatype: "Max35Text" on page 1640

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 1632

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 1640

44.1.8.45.6 TripInformation <TripInf>

Presence: [0..1]

Definition: Contains the details related to an individual trip.

TripInformation <TripInf> contains the following **TripInformation1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TripNumber <*TripNb*>	[0..1]	Text		1219
	JobNumber <*JobNb*>	[0..1]	Text		1219
	WorkOrder <*WorkOrdr*>	[0..1]	Text		1219
	InvoiceNumber <*InvcNb*>	[0..1]	Text		1219
	BillingIdentification <*BllgId*>	[0..1]	Text		1219
	ControlNumber <*CtrlNb*>	[0..1]	Text		1220
	DeliveryTicketNumber <*DlvryTcktNb*>	[0..1]	Text		1220

44.1.8.45.6.1 TripNumber <TripNb>

Presence: [0..1]

Definition: Identification number of the trip.

Datatype: "Max35Text" on page 1640

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 1636

44.1.8.45.6.3 WorkOrder <WorkOrdr>

Presence: [0..1]

Definition: Contains the work order or purchase order number.

Datatype: "Max70Text" on page 1642

44.1.8.45.6.4 InvoiceNumber <InvcNb>

Presence: [0..1]

Definition: Contains the invoice number.

Datatype: "Max70Text" on page 1642

44.1.8.45.6.5 BillingIdentification <BllgId>

Presence: [0..1]

Definition: Contains the billing identification number.

Datatype: "Max70Text" on page 1642

44.1.8.45.6.6 ControlNumber <CtrlNb>

Presence: [0..1]

Definition: Identification number assigned by an agent.

Datatype: "Max35Text" on page 1640

44.1.8.45.6.7 DeliveryTicketNumber <DlvryTcktNb>

Presence: [0..1]

Definition: Delivery Ticket Number for the trip information.

Datatype: "Max35Text" on page 1640

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		1220
	OtherType <*OthrTp*>	[0..1]	Text		1221
	AvailableIndicator <*AvlblInd*>	[0..1]	Indicator		1221

44.1.8.45.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of additional service available.

Datatype: "LocationAmenity1Code" on page 1595

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	TwentyFourHourAvailablity	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 1640

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 1631):

- *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		1222
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1222
	DiscountTotal <*DscntTtl*>	[0..1]			1222
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1222
	FuelAmount <*FuelAmt*>	[0..1]	Amount		1222
	NonFuelAmount <*NonFuelAmt*>	[0..1]	Amount		1222
	TaxTotal <*TaxTtl*>	[0..*]	±		1223
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1223

44.1.8.45.8.1 PurchaseType <PurchsTp>

Presence: [0..1]

Definition: List of codes representing type of fleet purchases.

Datatype: "FleetPurchaseType1Code" on page 1588

CodeName	Name	Definition
FUEL	Fuel	Fuel
NONF	NonFuel	Non fuel
FANF	FuelAndNonFuel	Fuel and non fuel

44.1.8.45.8.2 SummaryCommodityIdentification <SummryCmmdtyId>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 1640

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		1222
	FuelAmount <*FuelAmt*>	[0..1]	Amount		1222
	NonFuelAmount <*NonFuelAmt*>	[0..1]	Amount		1222

44.1.8.45.8.3.1 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.8.45.8.3.2 FuelAmount <FuelAmt>

Presence: [0..1]

Definition: Fuel amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.8.45.8.3.3 NonFuelAmount <NonFuelAmt>

Presence: [0..1]

Definition: Non-fuel amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

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 1552

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		1223
	EnteredDataAlphaNumeric <*NtrdDataAlphaNmrc*>	[0..1]	Text		1223
	AdditionalData <*AddtlData*>	[0..1]	Text		1224

44.1.8.45.9.1 EnteredDataNumeric <NtrdDataNmrc>

Presence: [0..1]

Definition: Key-entered numeric data.

Datatype: "Max35NumericText" on page 1640

44.1.8.45.9.2 EnteredDataAlphaNumeric <NtrdDataAlphaNmrc>

Presence: [0..1]

Definition: Key-entered alphanumeric data.

Datatype: "Max350Text" on page 1639

44.1.8.45.9.3 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional fleet summary data.

Datatype: "Max350Text" on page 1639

44.1.8.46 FleetLineItem2

Definition: Supplies additional transaction information for fleet transactions.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AllowedItemIndicator <*AllwdItmInd*>	[0..1]	Indicator		1224
	FuelIndicator <*FuelInd*>	[1..1]	CodeSet		1224
	ServiceType <*SvcTp*>	[0..1]	CodeSet		1225
	FleetProductCategory <*FleetPdctCtgy*>	[0..1]	Text		1225
	FleetProductCode <*FleetPdctCd*>	[0..1]	Text		1225
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1225
	ProductQuantity <*PdctQty*>	[0..1]	Text		1227
	TotalAmountExcludingTax <*TtlAmtExclgTax*>	[0..1]	Amount		1227
	TotalAmountIncludingTax <*TtlAmtInclgTax*>	[0..1]	Amount		1227

44.1.8.46.1 AllowedItemIndicator <AllwdItmInd>

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 1631):

- *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 1588

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 1588

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 1640

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 1637

44.1.8.46.6 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 1627

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 1636

44.1.8.46.8 TotalAmountExcludingTax <TtlAmtExclgTax>

Presence: [0..1]

Definition: Total amount excluding tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.8.46.9 TotalAmountIncludingTax <TtlAmtInclgTax>

Presence: [0..1]

Definition: Total amount including tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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		1228
	ServiceType <*SvcTp*>	[0..1]	CodeSet		1228
	FuelBrandCode <*FuelBrndCd*>	[0..1]	Text		1229
	FleetProductCode <*FleetPdctCd*>	[0..1]	Text		1229
	FleetProductCategory <*FleetPdctCtgy*>	[0..1]	Text		1229
	FleetProductQualifier <*FleetPdctQlfr*>	[0..1]	Text		1229
	FleetProductCodeAssigner <*FleetPdctCdAssgnr*>	[0..1]	Text		1229
	UnitPriceTaxIndicator <*UnitPricTaxInd*>	[0..1]	Indicator		1229
	UnitPrice <*UnitPric*>	[0..1]	Amount		1230
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1230
	OtherUnitOfMeasure <*OthrUnitOfMeasr*>	[0..1]	Text		1231
	ProductQuantity <*PdctQty*>	[0..1]	Text		1231
	DiscountAmount <*DscntAmt*>	[0..1]	Amount		1231
	NonTaxableIndicator <*NonTaxblInd*>	[0..1]	Indicator		1232
	Tax <*Tax*>	[0..*]	±		1232
	TotalAmountExcludingTax <*TtlAmtExclgTax*>	[0..1]	Amount		1232
	TotalAmountIncludingTax <*TtlAmtInclgTax*>	[0..1]	Amount		1232

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 1631):

- *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 1588

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 1641

44.1.8.47.4 FleetProductCode <FleetPdctCd>

Presence: [0..1]

Definition: Product code of fleet product or service being purchased.

Datatype: "Max4Text" on page 1641

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 1640

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 1642

44.1.8.47.7 FleetProductCodeAssigner <FleetPdctCdAssgnr>

Presence: [0..1]

Definition: Contains a code that identifies the product code assigner.

Datatype: "Max35Text" on page 1640

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 1631):

- *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 1552

44.1.8.47.10 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 1627

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 1640

44.1.8.47.12 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "Max12NumericText" on page 1636

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 1552

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 1631):

- *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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.8.47.16 TotalAmountExcludingTax <TtlAmtExclgTax>

Presence: [0..1]

Definition: Total amount excluding tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.8.47.17 TotalAmountIncludingTax <TtlAmtInclgTax>

Presence: [0..1]

Definition: Total amount including tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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..*]	±		1233

44.1.8.48.1 LineItem <LineItm>

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.

LineItem <LineItm> contains the following elements (see "FleetLineItem2" on page 1224 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AllowedItemIndicator <*AllwdItmInd*>	[0..1]	Indicator		1224
	FuelIndicator <*FuelInd*>	[1..1]	CodeSet		1224
	ServiceType <*SvcTp*>	[0..1]	CodeSet		1225
	FleetProductCategory <*FleetPdctCtgy*>	[0..1]	Text		1225
	FleetProductCode <*FleetPdctCd*>	[0..1]	Text		1225
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1225
	ProductQuantity <*PdctQty*>	[0..1]	Text		1227
	TotalAmountExcludingTax <*TtlAmtExclgTax*>	[0..1]	Amount		1227
	TotalAmountIncludingTax <*TtlAmtInclgTax*>	[0..1]	Amount		1227

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]	±		1233
	LineItem <*LineItm*>	[0..*]	±		1237

44.1.8.49.1 Summary <Summry>

Presence: [0..1]

Definition: Invoice Summary information.

Summary <Summry> contains the following elements (see "FleetSummary1" on page 1200 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Driver <*Drvr*>	[0..1]			1204
	Name <*Nm*>	[0..1]	Text		1205
	Identification <*Id*>	[0..1]	Text		1206
	DrivingLicense <*DrvgLic*>	[0..1]			1206
	Type <*Tp*>	[0..1]	Text		1206
	Form <*Form*>	[0..1]	CodeSet		1206
	Identification <*Id*>	[1..1]	Text		1207
	Assigner <*Assgnr*>	[0..1]	CodeSet		1207
	IssuanceDate <*IssncDt*>	[0..1]	Date		1207
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1207
	Country <*Ctry*>	[0..1]	Text		1207
	State <*Stat*>	[0..1]	Text		1207
	Province <*Prvc*>	[0..1]	Text		1207
	OtherAuthority <*OthrAuthrty*>	[0..1]	Text		1208
	Employer <*Mplyr*>	[0..1]	Text		1208
	EmployeeIdentification <*MplyeeId*>	[0..1]	Text		1208
	DepartmentNumber <*DeptNb*>	[0..1]	Text		1208
	AdditionalIdentification <*AddtlId*>	[0..*]			1208
	Type <*Tp*>	[1..1]	CodeSet		1208
	Form <*Form*>	[0..1]	CodeSet		1209
	Identification <*Id*>	[1..1]	Text		1209
	Assigner <*Assgnr*>	[0..1]	Text		1210
	IssuanceDate <*IssncDt*>	[0..1]	Date		1210
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1210
	Country <*Ctry*>	[0..1]	Text		1210
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1210
	AdditionalData <*AddtlData*>	[0..1]	Text		1210
	Vehicle <*Vhcl*>	[0..1]			1210
	VehicleNumber <*VhclNb*>	[0..1]	Text		1212
	VehicleIdentificationNumber <*VhclIdNb*>	[0..1]	Text		1212
	FleetNumber <*FleetNb*>	[0..1]	Text		1212

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SubFleetNumber <*SubFleetNb*>	[0..1]	Text		1212
	UnitNumber <*UnitNb*>	[0..1]	Text		1212
	TrailerNumber <*TrlrNb*>	[0..1]	Text		1212
	VehicleTag <*VhclTag*>	[0..1]	Text		1212
	VehicleTagEntryMode <*VhclTagNtryMd*>	[0..1]	CodeSet		1213
	ReplacementVehicleIndicator <*RplcmntVhclInd*>	[0..1]	Indicator		1213
	Odometer <*Odmtr*>	[0..1]	Quantity		1213
	Hubometer <*Hbmtr*>	[0..1]	Quantity		1213
	MaintenanceIdentification <*MntncId*>	[0..1]	Text		1214
	OnBoardDiagnostics <*OnBrdDgnstcs*>	[0..1]			1214
	EngineIdleTime <*NgnIdleTm*>	[0..1]	Quantity		1214
	EngineTotalIdleTime <*NgnTtlIdleTm*>	[0..1]	Quantity		1215
	EngineHours <*NgnHrs*>	[0..1]	Quantity		1215
	EngineTotalTime <*NgnTtlTm*>	[0..1]	Quantity		1215
	EngineLoad <*NgnLd*>	[0..1]	Text		1215
	EngineRPM <*NgnRPM*>	[0..1]	Text		1215
	EngineOilTemperature <*NgnOilTmprtr*>	[0..1]	Quantity		1215
	EngineOilPressure <*NgnOilPrssr*>	[0..1]	Text		1215
	EngineOilLifeRemaining <*NgnOilLifeRmng*>	[0..1]	Text		1216
	CheckEngineWarningStatus <*ChckNgnWrngSts*>	[0..1]	Text		1216
	FuelTankLevelStart <*FuelTankLvlStart*>	[0..1]	Text		1216
	FuelGaugeLevel <*FuelGaugeLvl*>	[0..1]	Text		1216
	FuelEconomy <*FuelEcnmy*>	[0..1]	Quantity		1216
	RefrigerationHours <*RfrgrtnHrs*>	[0..1]	Quantity		1216
	RefrigerationTemperature <*RfrgrtnTmprtr*>	[0..1]	Quantity		1216
	CoolantTemperature <*CoolntTmprtr*>	[0..1]	Quantity		1216
	BatteryVoltage <*BttryVltg*>	[0..1]	Text		1217
	HardBraking <*HardBrakg*>	[0..1]	Text		1217
	HardAcceleration <*HardAcclrtn*>	[0..1]	Text		1217
	AdditionalVehicleData <*AddtlVhclData*>	[0..*]			1217
	Type <*Tp*>	[0..1]	Text		1217

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	EntryMode <*NtryMd*>	[0..1]	CodeSet		1217
	Data <*Data*>	[1..1]	Text		1218
	DriverOrVehicleCard <*DrvrOrVhclCard*>	[0..1]			1218
	DriverOrVehicleIdentification <*DrvrOrVhclId*>	[0..1]	Text		1218
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1218
	CardFuelPromptCode <*CardFuelPrmptCd*>	[0..1]	Quantity		1218
	AgentFuelPromptCode <*AgtFuelPrmptCd*>	[0..1]	Text		1218
	TripInformation <*TripInf*>	[0..1]			1219
	TripNumber <*TripNb*>	[0..1]	Text		1219
	JobNumber <*JobNb*>	[0..1]	Text		1219
	WorkOrder <*WorkOrdr*>	[0..1]	Text		1219
	InvoiceNumber <*InvcNb*>	[0..1]	Text		1219
	BillingIdentification <*BllgId*>	[0..1]	Text		1219
	ControlNumber <*CtrlNb*>	[0..1]	Text		1220
	DeliveryTicketNumber <*DlvryTcktNb*>	[0..1]	Text		1220
	LocalAmenity <*LclAmnty*>	[0..*]			1220
	Type <*Tp*>	[1..1]	CodeSet		1220
	OtherType <*OthrTp*>	[0..1]	Text		1221
	AvailableIndicator <*AvlblInd*>	[0..1]	Indicator		1221
	TransactionRelatedData <*TxRltdData*>	[0..*]			1221
	PurchaseType <*PurchsTp*>	[0..1]	CodeSet		1222
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1222
	DiscountTotal <*DscntTtl*>	[0..1]			1222
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1222
	FuelAmount <*FuelAmt*>	[0..1]	Amount		1222
	NonFuelAmount <*NonFuelAmt*>	[0..1]	Amount		1222
	TaxTotal <*TaxTtl*>	[0..*]	±		1223
	TotalAmount <*TtlAmt*>	[0..1]	Amount		1223
	AdditionalData <*AddtlData*>	[0..1]			1223
	EnteredDataNumeric <*NtrdDataNmrc*>	[0..1]	Text		1223
	EnteredDataAlphaNumeric <*NtrdDataAlphaNmrc*>	[0..1]	Text		1223

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalData <*AddtlData*>	[0..1]	Text		1224

44.1.8.49.2 LineItem <LineItm>

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.

LineItem <LineItm> contains the following elements (see "FleetLineItem1" on page 1227 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FuelIndicator <*FuelInd*>	[1..1]	Indicator		1228
	ServiceType <*SvcTp*>	[0..1]	CodeSet		1228
	FuelBrandCode <*FuelBrndCd*>	[0..1]	Text		1229
	FleetProductCode <*FleetPdctCd*>	[0..1]	Text		1229
	FleetProductCategory <*FleetPdctCtgy*>	[0..1]	Text		1229
	FleetProductQualifier <*FleetPdctQlfr*>	[0..1]	Text		1229
	FleetProductCodeAssigner <*FleetPdctCdAssgnr*>	[0..1]	Text		1229
	UnitPriceTaxIndicator <*UnitPricTaxInd*>	[0..1]	Indicator		1229
	UnitPrice <*UnitPric*>	[0..1]	Amount		1230
	UnitOfMeasure <*UnitOfMeasr*>	[0..1]	CodeSet		1230
	OtherUnitOfMeasure <*OthrUnitOfMeasr*>	[0..1]	Text		1231
	ProductQuantity <*PdctQty*>	[0..1]	Text		1231
	DiscountAmount <*DscntAmt*>	[0..1]	Amount		1231
	NonTaxableIndicator <*NonTaxblInd*>	[0..1]	Indicator		1232
	Tax <*Tax*>	[0..*]	±		1232
	TotalAmountExcludingTax <*TtlAmtExclgTax*>	[0..1]	Amount		1232
	TotalAmountIncludingTax <*TtlAmtInclgTax*>	[0..1]	Amount		1232

44.1.8.50 Environment6

Definition: Environment of the transaction.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Acquirer <*Acqrr*>	[0..1]	±		1238
	Sender <*Sndr*>	[0..1]	±		1239
	Receiver <*Rcvr*>	[0..1]	±		1239
	Acceptor <*Accptr*>	[0..1]	±		1239
	Payer <*Pyer*>	[0..1]	±		1240
	Payee <*Pyee*>	[0..1]	±		1240
	Terminal <*Termnl*>	[0..1]			1241
	TerminalIdentification <*TermnlId*>	[0..1]	±		1241
	Capabilities <*Cpblties*>	[0..1]	±		1241
	CardholderVerificationCapability <*CrdhldrVrfctnCpblty*>	[0..*]	±		1242
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1242
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1243
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1243
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1243
	POIComponent <*POICmpnt*>	[0..*]	±		1244
	Card <*Card*>	[1..1]	±		1246
	CustomerDevice <*CstmrDvc*>	[0..1]	±		1246
	Wallet <*Wllt*>	[0..1]	±		1247
	Token <*Tkn*>	[0..1]	±		1247
	Cardholder <*Crdhldr*>	[0..1]	±		1247

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 1327 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1327
	Assigner <*Assgnr*>	[0..1]	CodeSet		1327
	Country <*Ctry*>	[0..1]	CodeSet		1328
	ShortName <*ShrtNm*>	[0..1]	Text		1328

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 1327 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1327
	Assigner <*Assgnr*>	[0..1]	CodeSet		1327
	Country <*Ctry*>	[0..1]	CodeSet		1328
	ShortName <*ShrtNm*>	[0..1]	Text		1328

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 1327 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1327
	Assigner <*Assgnr*>	[0..1]	CodeSet		1327
	Country <*Ctry*>	[0..1]	CodeSet		1328
	ShortName <*ShrtNm*>	[0..1]	Text		1328

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 1324 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1325
	Assigner <*Assgnr*>	[0..1]	Text		1325
	Country <*Ctry*>	[0..1]	CodeSet		1325
	ShortName <*ShrtNm*>	[0..1]	Text		1325
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1326
	NameAndLocation <*NmAndLctn*>	[0..1]	Text		1326
	Address <*Adr*>	[0..1]	±		1326
	Email <*Email*>	[0..1]	Text		1326
	URLAddress <*URLAdr*>	[0..1]	Text		1326
	PhoneNumber <*PhneNb*>	[0..1]	Text		1327
	CustomerService <*CstmrSvc*>	[0..1]	Text		1327
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1327
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1327

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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 1337 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

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]	±		1241
	Capabilities <*Cpblties*>	[0..1]	±		1241
	CardholderVerificationCapability <*CrdhldrVrfctnCpblty*>	[0..*]	±		1242
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1242
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1243
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1243
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1243
	POIComponent <*POICmpnt*>	[0..*]	±		1244

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 1373 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1374
	Type <*Tp*>	[0..1]	CodeSet		1374
	OtherType <*OthrTp*>	[0..1]	Text		1374
	Assigner <*Assgnr*>	[0..1]	Text		1374
	Country <*Ctry*>	[0..1]	Text		1374
	ShortName <*ShrtNm*>	[0..1]	Text		1375

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 1354 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardReadingCapability <*CardRdngCpblty*>	[0..*]	CodeSet		1355
	OtherCardReadingCapabilities <*OthrCardRdngCpblties*>	[0..*]	Text		1356
	CardWritingCapabilities <*CardWrtgCpblties*>	[0..*]	CodeSet		1356
	OtherCardWritingCapabilities <*OthrCardWrtgCpblties*>	[0..*]	Text		1356
	PINLengthCapabilities <*PINLngthCpblties*>	[0..1]	Quantity		1356
	ApprovalCodeLength <*ApprvlCdLngth*>	[0..1]	Quantity		1357
	MaxScriptLength <*MxScrptLngth*>	[0..1]	Quantity		1357
	PINPadInoperative <*PINPadInprtv*>	[0..1]	Indicator		1357
	CardCaptureCapable <*CardCaptrCpbl*>	[0..1]	Indicator		1357
	OnLineCapabilities <*OnLineCpblties*>	[0..1]	CodeSet		1358
	MessageCapabilities <*MsgCpblties*>	[0..*]			1358
	Destination <*Dstn*>	[1..1]	CodeSet		1358
	AvailableFormat <*AvlblFrmt*>	[0..*]	CodeSet		1358
	NumberOfLines <*NbOfLines*>	[0..1]	Quantity		1359
	LineWidth <*LineWidth*>	[0..1]	Quantity		1359
	AvailableLanguage <*AvlblLang*>	[0..*]	CodeSet	C3	1359
	CardholderVerificationCapability <*CrdhldrVrfctnCpblty*>	[0..*]	±		1359

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 1381 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Capability <*Cpblty*>	[1..1]	CodeSet		1381
	OtherCapability <*OthrCpblty*>	[0..1]	Text		1382

44.1.8.50.7.4 TerminalIntegration <TermnlIntgtn>

Presence: [0..1]

Definition: Type of terminal integration at a point of service location.

Datatype: "TerminalIntegrationCategory1Code" on page 1622

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 1631):

- *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 1631):

- *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 1631):

- *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 1299 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1301
	Identification <*Id*>	[1..1]			1302
	ItemNumber <*ItmNb*>	[0..1]	Text		1302
	ProviderIdentification <*PrvdrId*>	[0..1]	Text		1302
	Identification <*Id*>	[0..1]	Text		1302
	SerialNumber <*SrlNb*>	[0..1]	Text		1302
	Status <*Sts*>	[0..1]			1302
	VersionNumber <*VrsnNb*>	[0..1]	Text		1303
	Status <*Sts*>	[0..1]	CodeSet		1303
	ExpiryDate <*XpryDt*>	[0..1]	Date		1303
	StandardCompliance <*StdCmplc*>	[0..*]			1303
	Identification <*Id*>	[1..1]	Text		1303
	Version <*Vrsn*>	[1..1]	Text		1304
	Issuer <*Issr*>	[1..1]	Text		1304
	Characteristics <*Chrtcs*>	[0..1]			1304
	Memory <*Mmry*>	[0..*]			1304
	Identification <*Id*>	[1..1]	Text		1305
	TotalSize <*TtlSz*>	[1..1]	Quantity		1305
	FreeSize <*FreeSz*>	[1..1]	Quantity		1305
	Unit <*Unit*>	[1..1]	CodeSet		1305
	Communication <*Com*>	[0..*]			1305
	CommunicationType <*ComTp*>	[1..1]	CodeSet		1306
	RemoteParty <*RmotPty*>	[1..*]	CodeSet		1306
	Active <*Actv*>	[1..1]	Indicator		1307
	SecurityAccessModules <*SctyAccsMdls*>	[0..1]	Quantity		1307
	SubscriberIdentityModules <*SbcbrIdntyMdls*>	[0..1]	Quantity		1307
	SecurityElement <*SctyElmt*>	[0..*]	±		1307
	Assessment <*Assmnt*>	[0..*]			1308
	Type <*Tp*>	[1..1]	CodeSet		1308
	Assigner <*Assgnr*>	[1..*]	Text		1309

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	DeliveryDate <*DlvryDt*>	[0..1]	DateTime		1309
	ExpirationDate <*XprtnDt*>	[0..1]	DateTime		1309
	Number <*Nb*>	[1..1]	Text		1309

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 1021 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PAN <*PAN*>	[0..1]	Text		1021
	ProtectedPANIndicator <*PrtctdPANInd*>	[0..1]	Indicator		1021
	CardSequenceNumber <*CardSeqNb*>	[0..1]	Text		1022
	EffectiveDate <*FctvDt*>	[0..1]	Text		1022
	ExpiryDate <*XpryDt*>	[0..1]	Text		1022
	PaymentAccountReference <*PmtAcctRef*>	[0..1]	Text		1022
	PANReferenceIdentifier <*PANRefIdr*>	[0..1]	Text		1023
	PANAccountRange <*PANAcctRg*>	[0..1]	Text		1023
	CardCountryCode <*CardCtryCd*>	[0..1]	CodeSet		1023
	CardProductType <*CardPdctTp*>	[0..1]	Text		1023
	CardProductSubType <*CardPdctSubTp*>	[0..1]	Text		1023
	CardPortfolioIdentifier <*CardPrtflIdr*>	[0..1]	Text		1023
	AdditionalCardData <*AddtlCardData*>	[0..1]	Text		1023

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 1266 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Device <*Dvc*>	[0..1]	±		1267
	Identification <*Id*>	[0..1]	Text		1267
	Provider <*Prvdr*>	[0..1]	Text		1267

44.1.8.50.10 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "Wallet1" on page 972 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Provider <*Prvdr*>	[0..1]	±		973
	AdditionalWalletData <*AddtlWlltData*>	[0..1]	Text		973

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 1539 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

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 1290 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

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		1248
	Address <*Adr*>	[0..1]	±		1248
	Contact <*Ctct*>	[0..1]	±		1249
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1249
	Age <*Age*>	[0..1]	Text		1250
	DriverCredential <*DrvrCrdntl*>	[0..*]			1250
	Type <*Tp*>	[1..1]	CodeSet		1250
	Form <*Form*>	[0..1]	CodeSet		1251
	Identification <*Id*>	[1..1]	Text		1251
	Assigner <*Assgnr*>	[0..1]	Text		1251
	IssuanceDate <*IssncDt*>	[0..1]	Date		1251
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1251
	Country <*Ctry*>	[0..1]	Text		1252
	DrivingLicense <*DrvgLic*>	[0..1]			1252
	Type <*Tp*>	[0..1]	Text		1252
	Form <*Form*>	[0..1]	CodeSet		1252
	Identification <*Id*>	[1..1]	Text		1253
	Assigner <*Assgnr*>	[0..1]	CodeSet		1253
	IssuanceDate <*IssncDt*>	[0..1]	Date		1253
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1253
	Country <*Ctry*>	[0..1]	Text		1253
	State <*Stat*>	[0..1]	Text		1253
	Province <*Prvc*>	[0..1]	Text		1253
	OtherAuthority <*OthrAuthrty*>	[0..1]	Text		1254

44.1.8.51.1 Name <Nm>

Presence: [0..1]

Definition: Name of vehicle rental driver.

Datatype: "Max70Text" on page 1642

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

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 1331 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1331
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1331
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1331
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1331
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1332
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1332
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1332
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1332
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1332
	URLAddress <*URLAdr*>	[0..1]	Text		1332
	Language <*Lang*>	[0..1]	CodeSet	C3	1332

44.1.8.51.4 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of vehicle rental driver.

Datatype: "ISODate" on page 1631

44.1.8.51.5 Age <Age>

Presence: [0..1]

Definition: Age of driver.

Datatype: "Max2NumericText" on page 1639

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		1250
	Form <*Form*>	[0..1]	CodeSet		1251
	Identification <*Id*>	[1..1]	Text		1251
	Assigner <*Assgnr*>	[0..1]	Text		1251
	IssuanceDate <*IssncDt*>	[0..1]	Date		1251
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1251
	Country <*Ctry*>	[0..1]	Text		1252

44.1.8.51.6.1 Type <Tp>

Presence: [1..1]

Definition: Type of travel document.

Datatype: "OfficialDocumentType1Code" on page 1604

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 1614

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 1642

44.1.8.51.6.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Party assigning the travel document.

Datatype: "Max70Text" on page 1642

44.1.8.51.6.5 IssuanceDate <IssncDt>

Presence: [0..1]

Definition: Issuance date of travel document.

Datatype: "ISODate" on page 1631

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 1631

44.1.8.51.6.7 Country <Ctry>

Presence: [0..1]

Definition: Country issuing the travel document.

Datatype: "Min2Max3AlphaText" on page 1643

44.1.8.51.7 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		1252
	Form <*Form*>	[0..1]	CodeSet		1252
	Identification <*Id*>	[1..1]	Text		1253
	Assigner <*Assgnr*>	[0..1]	CodeSet		1253
	IssuanceDate <*IssncDt*>	[0..1]	Date		1253
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1253
	Country <*Ctry*>	[0..1]	Text		1253
	State <*Stat*>	[0..1]	Text		1253
	Province <*Prvc*>	[0..1]	Text		1253
	OtherAuthority <*OthrAuthrty*>	[0..1]	Text		1254

44.1.8.51.7.1 Type <Tp>

Presence: [0..1]

Definition: Type of driving license.

Datatype: "Max70Text" on page 1642

44.1.8.51.7.2 Form <Form>

Presence: [0..1]

Definition: Form of driving license.

Datatype: "PresentationMedium2Code" on page 1614

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 1642

44.1.8.51.7.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Authority assigning an identification to a driver license.

Datatype: "LegalStructure1Code" on page 1595

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 1631

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 1631

44.1.8.51.7.7 Country <Ctry>

Presence: [0..1]

Definition: Country issuing the driver license.

Datatype: "Min2Max3AlphaText" on page 1643

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 1637

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 1637

44.1.8.51.7.10 OtherAuthority <OthrAuthrty>

Presence: [0..1]

Definition: Other authority issuing a driver license.

Datatype: "Max16Text" on page 1637

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		1254
	OdometerStart <*OdmtrStart*>	[0..1]	Text		1254
	OdometerReturn <*OdmtrRtr*>	[0..1]	Text		1254
	TotalDistance <*TtlDstnc*>	[0..1]	Text		1254
	FreeDistance <*FreeDstnc*>	[0..1]	Text		1255
	Rate <*Rate*>	[0..1]	Amount		1255

44.1.8.52.1 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure used to compute the distance.

Datatype: "UnitOfMeasure10Code" on page 1627

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 1636

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 1636

44.1.8.52.4 TotalDistance <TtlDstnc>

Presence: [0..1]

Definition: Total distance expressed in unit of measure.

Datatype: "Max10NumericText" on page 1636

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 1636

44.1.8.52.6 Rate <Rate>

Presence: [0..1]

Definition: Defines the rate in relation to a specific distance.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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		1255
	RouteNumber <*RouteNb*>	[0..1]	Text		1255
	Date <*Dt*>	[0..1]	Date		1255
	Time <*Tm*>	[0..1]	Time		1255

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 1640

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 1640

44.1.8.53.3 Date <Dt>

Presence: [0..1]

Definition: Departure or arrival date.

Datatype: "ISODate" on page 1631

44.1.8.53.4 Time <Tm>

Presence: [0..1]

Definition: Departure or arrival time.

Datatype: "ISOTime" on page 1644

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		1256
	Description <*Desc*>	[0..1]	Text		1256
	Date <*Dt*>	[0..1]	Date		1256
	Time <*Tm*>	[0..1]	Time		1256

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 1642

44.1.8.54.2 Description <Desc>

Presence: [0..1]

Definition: Specific explanation of the location or directions.

Datatype: "Max256Text" on page 1639

44.1.8.54.3 Date <Dt>

Presence: [0..1]

Definition: Departure or arrival date.

Datatype: "ISODate" on page 1631

44.1.8.54.4 Time <Tm>

Presence: [0..1]

Definition: Departure or arrival time.

Datatype: "ISOTime" on page 1644

44.1.8.55 DeliveryInformation3

Definition: Delivery information

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	DeliveryNoteNumber <*DlvryNoteNb*>	[0..1]	Text		1257
	Address <*Adr*>	[0..1]	±		1257
	Contact <*Ctct*>	[0..1]	±		1257
	Instructions <*Instrs*>	[0..1]	Text		1258
	Date <*Dt*>	[0..1]	Date		1258
	Time <*Tm*>	[0..1]	Time		1258

44.1.8.55.1 DeliveryNoteNumber <DlvryNoteNb>

Presence: [0..1]

Definition: Contains the number identifying an individual delivery note.

Datatype: "Max35Text" on page 1640

44.1.8.55.2 Address <Adr>

Presence: [0..1]

Definition: Delivery address.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.8.55.3 Contact <Ctct>

Presence: [0..1]

Definition: Contact for delivery.

Contact <Ctct> contains the following elements (see "Contact6" on page 1331 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1331
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1331
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1331
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1331
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1332
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1332
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1332
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1332
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1332
	URLAddress <*URLAdr*>	[0..1]	Text		1332
	Language <*Lang*>	[0..1]	CodeSet	C3	1332

44.1.8.55.4 Instructions <Instrs>

Presence: [0..1]

Definition: Special instructions.

Datatype: "Max350Text" on page 1639

44.1.8.55.5 Date <Dt>

Presence: [0..1]

Definition: Contains the package delivery date.

Datatype: "ISODate" on page 1631

44.1.8.55.6 Time <Tm>

Presence: [0..1]

Definition: Contains the package delivery time.

Datatype: "ISOTime" on page 1644

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]	±		1259
	TransactionContext <*TxCntxt*>	[1..1]	±		1260
	Verification <*Vrfctn*>	[0..*]	±		1261
	RiskContext <*RskCntxt*>	[0..1]	±		1261
	SaleContext <*SaleCntxt*>	[0..1]	±		1262

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 1366 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardPresent <*CardPres*>	[0..1]	Indicator		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

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 1075 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <*MrchntCtgyCd*>	[1..1]	Text		1075
	MerchantCategorySpecificData <*MrchntCtgySpcfcData*>	[0..1]	Text		1075
	CustomerConsent <*CstmrCnsnt*>	[0..1]	Indicator		1076
	ICCFallbackIndicator <*ICCFllbckInd*>	[0..1]	Indicator		1076
	MagneticStripeFallbackIndicator <*MgntcStrpFllbckInd*>	[0..1]	Indicator		1076
	LatePresentmentIndicator <*LatePresntmntInd*>	[0..1]	Indicator		1076
	FinalAuthorisationIndicator <*FnlAuthstnInd*>	[0..1]	Indicator		1077
	DeferredDeliveryIndicator <*DfrrdDlvryInd*>	[0..1]	Indicator		1077
	TransactionInitiator <*TxInitr*>	[0..1]	CodeSet		1077
	CardProgramme <*CardPrgrmm*>	[0..1]	±		1077
	SettlementService <*SttlmSvc*>	[0..1]	±		1078
	Reconciliation <*Rcncltn*>	[0..1]	±		1079
	CaptureDate <*CaptrDt*>	[0..1]	Date		1079

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 1548 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1549
	OtherType <*OthrTp*>	[0..1]	Text		1551
	SubType <*SubTp*>	[0..1]	Text		1551
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1552
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1552

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 1420 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

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 1121 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SaleIdentification <*SaleId*>	[0..1]	Text		1121
	SaleReferenceIdentification <*SaleRefId*>	[0..1]	Text		1122
	SaleReferenceNumber <*SaleRefNb*>	[0..1]	Text		1122
	GoodsAndServicesType <*GoodsAndSvcsTp*>	[0..1]	CodeSet		1122
	GoodAndServicesSubType <*GoodAndSvcsSubTp*>	[0..1]	CodeSet		1122
	GoodAndServicesOtherSubType <*GoodAndSvcsOthrSubTp*>	[0..1]	Text		1122
	SplitPaymentIndicator <*SpltPmtInd*>	[0..1]	Indicator		1122
	ReceiptRequestIndicator <*RctReqInd*>	[0..1]	Indicator		1123
	ReceiptType <*RctTp*>	[0..*]	CodeSet		1123
	ReceiptDestination <*RctDstn*>	[0..1]	Text		1123

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		1263
	RelatedDocumentNumber <*RltdDocNb*>	[0..1]	Text		1263
	ServiceCategoryCode <*SvcCtgyCd*>	[0..1]	Text		1263
	ServiceSubCategoryCode <*SvcSubCtgyCd*>	[0..1]	Text		1263
	ServiceProviderServiceType <*SvcPrvdrSvcTp*>	[0..1]	Text		1263
	CreditReasonCode <*CdtRsnCd*>	[0..1]	Text		1264
	SummaryCommodityIdentification <*SummryCmmdtyId*>	[0..1]	Text		1264
	Amount <*Amt*>	[0..1]	±		1264
	Fee <*Fee*>	[0..1]	Amount		1264
	Tax <*Tax*>	[1..*]	±		1264
	AdditionalData <*AddtlData*>	[0..1]	Text		1265

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 1637

44.1.8.57.2 RelatedDocumentNumber <RltdDocNb>

Presence: [0..1]

Definition: Document number of related transport details.

Datatype: "Max15Text" on page 1637

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 1641

44.1.8.57.4 ServiceSubCategoryCode <SvcSubCtgyCd>

Presence: [0..1]

Definition: Contains ancillary service sub category code.

Datatype: "Max4Text" on page 1641

44.1.8.57.5 ServiceProviderServiceType <SvcPrvdrSvcTp>

Presence: [0..1]

Definition: Proprietary service type code assigned by the service provider.

Datatype: "Max35Text" on page 1640

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 1640

44.1.8.57.7 SummaryCommodityIdentification <SummryCmmdtyId>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 1640

44.1.8.57.8 Amount <Amt>

Presence: [0..1]

Definition: Ancillary purchase amount.

Amount <Amt> contains the following elements (see "Amount5" on page 990 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		990
	Sign <*Sgn*>	[0..1]	Indicator		991

44.1.8.57.9 Fee <Fee>

Presence: [0..1]

Definition: Subfield contains the ancillary fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

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 1532 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.8.57.11 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the transportation.

Datatype: "Max350Text" on page 1639

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		1265
	OtherType <*OthrTp*>	[0..1]	Text		1265

44.1.8.58.1 Type <Tp>

Presence: [1..1]

Definition: Type of additional service applied to the transaction.

Datatype: "AdditionalServiceType1Code" on page 1562

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 1640

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]	±		1266
	AdditionalData <*AddtlData*>	[0..*]			1266
	Type <*Tp*>	[0..1]	Text		1266
	Value <*Val*>	[0..1]	Text		1266

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 1232 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LineItem <*LineItm*>	[0..*]	±		1233

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		1266
	Value <*Val*>	[0..1]	Text		1266

44.1.8.59.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

44.1.8.59.2.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

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]	±		1267
	Identification <*Id*>	[0..1]	Text		1267
	Provider <*Prvdr*>	[0..1]	Text		1267

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 1267 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1268
	OtherType <*OthrTp*>	[0..1]	Text		1268
	Language <*Lang*>	[0..1]	CodeSet	C3	1268
	PhoneNumber <*PhneNb*>	[0..1]	Text		1269
	Location <*Lctn*>	[0..1]			1269
	Latitude <*Lat*>	[1..1]	Text		1269
	Longitude <*Long*>	[1..1]	Text		1269
	IPAddress <*IPAdr*>	[0..1]	Text		1269
	Email <*Email*>	[0..1]	Text		1269

44.1.9.1.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the customer device.

Datatype: "Max70Text" on page 1642

44.1.9.1.3 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the customer device.

Datatype: "Max35Text" on page 1640

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		1268
	OtherType <*OthrTp*>	[0..1]	Text		1268
	Language <*Lang*>	[0..1]	CodeSet	C3	1268
	PhoneNumber <*PhneNb*>	[0..1]	Text		1269
	Location <*Lctn*>	[0..1]			1269
	Latitude <*Lat*>	[1..1]	Text		1269
	Longitude <*Long*>	[1..1]	Text		1269
	IPAddress <*IPAdr*>	[0..1]	Text		1269
	Email <*Email*>	[0..1]	Text		1269

44.1.9.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of customer device.

Datatype: "CustomerDeviceType1Code" on page 1584

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 1640

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 1595

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 1644

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		1269
	Longitude <*Long*>	[1..1]	Text		1269

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 1637

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 1637

44.1.9.2.6 IPAddress <IPAdr>

Presence: [0..1]

Definition: Internet Protocol address associated with the device.

Datatype: "Max70Text" on page 1642

44.1.9.2.7 Email <Email>

Presence: [0..1]

Definition: Electronic mail address associated with the device.

Datatype: "Max256Text" on page 1639

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		1270
	OtherType <*OthrTp*>	[0..1]	Text		1270
	Amount <*Amt*>	[0..1]	±		1270

44.1.10.1.1 Type <Tp>

Presence: [1..1]

Definition: Funding source used for deposit.

Datatype: "CardDepositType1Code" on page 1578

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 1640

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 990 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Amount <*Amt*>	[1..1]	Amount		990
	Sign <*Sgn*>	[0..1]	Indicator		991

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		1271
	DisputeCondition <*DsptCond*>	[0..1]	Text		1271
	DisputeStatus <*DsptSts*>	[0..1]	Text		1271
	PartialDispute <*PrtlDspt*>	[0..1]	Indicator		1271
	DisputeReference <*DsptRef*>	[0..*]	±		1271
	DocumentationStatus <*DcmnttnSts*>	[0..1]	Text		1272
	AdditionalDisputeData <*AddtlDsptData*>	[0..1]	Text		1272
	DisputeRejectReason <*DsptRjctRsn*>	[0..*]	Text		1272
	ChargebackEligibility <*ChrgbckElgblty*>	[0..1]	Text		1272

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 1634

44.1.11.1.2 DisputeCondition <DsptCond>

Presence: [0..1]

Definition: Condition of the dispute.

Datatype: "Max35Text" on page 1640

44.1.11.1.3 DisputeStatus <DsptSts>

Presence: [0..1]

Definition: Status of dispute.

Datatype: "Max35Text" on page 1640

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 1632):

- *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 1272 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AssignerEntity <*AssgnrNtty*>	[0..1]	CodeSet		1273
	OtherAssignerEntity <*OthrAssgnrNtty*>	[0..1]	Text		1273
	DisputeIdentification <*DsptId*>	[1..*]			1273
	Type <*Tp*>	[0..1]	Text		1273
	Identification <*Id*>	[1..1]	Text		1273

44.1.11.1.6 DocumentationStatus <DcmnttnSts>

Presence: [0..1]

Definition: Status of the dispute documentation.

Datatype: "Max35Text" on page 1640

44.1.11.1.7 AdditionalDisputeData <AddtlDsptData>

Presence: [0..1]

Definition: Additional information related to the dispute.

Datatype: "Max1000Text" on page 1635

44.1.11.1.8 DisputeRejectReason <DsptRjctRsn>

Presence: [0..*]

Definition: Reason for rejecting a dispute.

Datatype: "Max35Text" on page 1640

44.1.11.1.9 ChargebackEligibility <ChrgbckElgblty>

Presence: [0..1]

Definition: Provides transaction chargeback eligibility conditions.

Datatype: "Max35Text" on page 1640

44.1.11.2 DisputeReference1

Definition: Contains dispute reference details.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AssignerEntity <*AssgnrNtty*>	[0..1]	CodeSet		1273
	OtherAssignerEntity <*OthrAssgnrNtty*>	[0..1]	Text		1273
	DisputeIdentification <*DsptId*>	[1..*]			1273
	Type <*Tp*>	[0..1]	Text		1273
	Identification <*Id*>	[1..1]	Text		1273

44.1.11.2.1 AssignerEntity <AssgnrNtty>

Presence: [0..1]

Definition: Name of the entity assigning the dispute reference.

Datatype: "PartyType32Code" on page 1610

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 1640

44.1.11.2.3 DisputeIdentification <DsptId>

Presence: [1..*]

Definition: Identification of the dispute.

DisputeIdentification <DsptId> contains the following **DisputeIdentification1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1273
	Identification <*Id*>	[1..1]	Text		1273

44.1.11.2.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of dispute.

Datatype: "Max35Text" on page 1640

44.1.11.2.3.2 Identification <Id>

Presence: [1..1]

Definition: Identification of dispute.

Datatype: "Max70Text" on page 1642

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		1274
	Name <*Nm*>	[0..1]	Text		1274
	Address <*Adr*>	[0..1]	±		1274
	Email <*Email*>	[0..1]	Text		1275
	URLAddress <*URLAdr*>	[0..1]	Text		1275
	PhoneNumber <*PhneNb*>	[0..1]	Text		1275
	CustomerService <*CstmrSvc*>	[0..1]	Text		1275
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1275

44.1.12.1.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the financial institution.

Datatype: "Max35Text" on page 1640

44.1.12.1.2 Name <Nm>

Presence: [0..1]

Definition: Name of the financial institution.

Datatype: "Max70Text" on page 1642

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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.12.1.4 Email <Email>

Presence: [0..1]

Definition: Electronic mail address of the financial institution.

Datatype: "Max256Text" on page 1639

44.1.12.1.5 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address of the financial institution.

Datatype: "Max256Text" on page 1639

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 1640

44.1.12.1.7 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer services.

Datatype: "Max35Text" on page 1640

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 1639

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		1276
	OtherFraudType <*OthrFrdTp*>	[0..1]	Text		1277
	FraudReportingAction <*FrdRptgActn*>	[1..1]	CodeSet		1277
	OtherFraudReportingAction <*OthrFrdRptgActn*>	[0..1]	Text		1278
	ReportingEntity <*RptgNtty*>	[1..1]	CodeSet		1278
	OtherReportingEntity <*OthrRptgNtty*>	[0..1]	Text		1278
	CompromisedCredential <*CmprmsdCrdntl*>	[0..*]	CodeSet		1278
	CardholderReportingDate <*CrdhldrRptgDt*>	[0..1]	Date		1281
	ConfirmationReportingDate <*ConfRptgDt*>	[0..1]	Date		1281
	SubmitterCaseReference <*SubmitrCaseRef*>	[0..1]	Text		1281
	FraudCaseDetails <*FrdCaseDtls*>	[0..1]			1281
	MarketSegment <*MktSgmt*>	[0..1]	Text		1282
	LocatorNumber <*LctrNb*>	[0..1]	Text		1282
	CaseReference <*CaseRef*>	[0..1]	Text		1282
	ArrestIndicator <*ArrstInd*>	[0..1]	Indicator		1282
	FraudInvestigationStatus <*FrdInvstgtnSts*>	[0..1]	Text		1282

44.1.13.1.1 FraudType <FrdTp>

Presence: [1..1]

Definition: Type of fraud for which a report is established.

Datatype: "FraudType1Code" on page 1589

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 1640

44.1.13.1.3 FraudReportingAction <FrdRptgActn>

Presence: [1..1]

Definition: Identifies the type of reported fraudulent transaction.

Datatype: "FraudReportingAction1Code" on page 1588

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 1640

44.1.13.1.5 ReportingEntity <RptgNtty>

Presence: [1..1]

Definition: Type of fraud reporting entity.

Datatype: "PartyType26Code" on page 1609

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	DelegateIssuer	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 1640

44.1.13.1.7 CompromisedCredential <CmprmsdCrdntl>

Presence: [0..*]

Definition: Identifies the type of cardholder credential that was compromised.

Datatype: "AuthenticationMethod11Code" on page 1572

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 1631

44.1.13.1.9 ConfirmationReportingDate <ConfRptgDt>

Presence: [0..1]

Definition: Date fraud was confirmed by the cardholder.

Datatype: "ISODate" on page 1631

44.1.13.1.10 SubmitterCaseReference <SubmitrCaseRef>

Presence: [0..1]

Definition: Reference to the case as provided by the submitter.

Datatype: "Max35Text" on page 1640

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		1282
	LocatorNumber <*LctrNb*>	[0..1]	Text		1282
	CaseReference <*CaseRef*>	[0..1]	Text		1282
	ArrestIndicator <*ArrstInd*>	[0..1]	Indicator		1282

44.1.13.1.11.1 MarketSegment <MktSgmt>

Presence: [0..1]

Definition: Type of market segment of confirmed fraud.

Datatype: "Max35Text" on page 1640

44.1.13.1.11.2 LocatorNumber <LctrNb>

Presence: [0..1]

Definition: Locator reference.

Datatype: "Max35Text" on page 1640

44.1.13.1.11.3 CaseReference <CaseRef>

Presence: [0..1]

Definition: Reference to fraudulent case.

Datatype: "Max35Text" on page 1640

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 1631):

- *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 1639

44.1.13.2 ReportedFraud2

Definition: Fraud reporting type information

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FraudType <*FrdTp*>	[1..1]	CodeSet		1283
	OtherFraudType <*OthrFrdTp*>	[0..1]	Text		1284
	FraudReportingAction <*FrdRptgActn*>	[1..1]	CodeSet		1284
	OtherFraudReportingAction <*OthrFrdRptgActn*>	[0..1]	Text		1284
	ReportingEntity <*RptgNtty*>	[1..1]	CodeSet		1285
	OtherReportingEntity <*OthrRptgNtty*>	[0..1]	Text		1285
	SubmitterCaseReference <*SubmitrCaseRef*>	[0..1]	Text		1285
	CaseReference <*CaseRef*>	[0..1]	Text		1285

44.1.13.2.1 FraudType <FrdTp>

Presence: [1..1]

Definition: Type of fraud for which a report is established.

Datatype: "FraudType1Code" on page 1589

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 1640

44.1.13.2.3 FraudReportingAction <FrdRptgActn>

Presence: [1..1]

Definition: Identifies the type of reported fraudulent transaction.

Datatype: "FraudReportingAction1Code" on page 1588

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 1640

44.1.13.2.5 ReportingEntity <RptgNtty>

Presence: [1..1]

Definition: Type of fraud reporting entity.

Datatype: "PartyType25Code" on page 1608

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 1640

44.1.13.2.7 SubmitterCaseReference <SubmitrCaseRef>

Presence: [0..1]

Definition: Reference to the case as provided by the submitter.

Datatype: "Max35Text" on page 1640

44.1.13.2.8 CaseReference <CaseRef>

Presence: [0..1]

Definition: Reference to fraudulent case.

Datatype: "Max35Text" on page 1640

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		1286
	Envelope <*Envlp*>	[1..1]	(External Schema)		1286

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 1639

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 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]	±		1286
	TraceDateTimeIn <*TracDtTmIn*>	[0..1]	DateTime		1287
	TraceDateTimeOut <*TracDtTmOut*>	[0..1]	DateTime		1287

44.1.14.2.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification172" on page 1329 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

44.1.14.2.2 TraceDateTimeIn <TracDtTmIn>

Presence: [0..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1631

44.1.14.2.3 TraceDateTimeOut <TracDtTmOut>

Presence: [0..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1631

44.1.14.3 DeliveryInformation2

Definition: Delivery information for the purpose of a retrieval fulfilment.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Contact <*Ctct*>	[0..1]			1287
	Name <*Nm*>	[0..1]	Text		1288
	FaxNumber <*FaxNb*>	[0..1]	Text		1288
	TelephoneNumber <*TelNb*>	[0..1]	Text		1288
	Email <*Email*>	[0..1]	Text		1288
	URLAddress <*URLAdr*>	[0..1]	Text		1288
	PostalAddress <*PstlAdr*>	[0..1]	±		1288

44.1.14.3.1 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		1288
	FaxNumber <*FaxNb*>	[0..1]	Text		1288
	TelephoneNumber <*TelNb*>	[0..1]	Text		1288
	Email <*Email*>	[0..1]	Text		1288
	URLAddress <*URLAdr*>	[0..1]	Text		1288

44.1.14.3.1.1 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 1640

44.1.14.3.1.2 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Collection of information that identifies a FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1644

44.1.14.3.1.3 TelephoneNumber <TelNb>

Presence: [0..1]

Definition: Collection of information that identifies a phone number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1644

44.1.14.3.1.4 Email <Email>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: "Max256Text" on page 1639

44.1.14.3.1.5 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1639

44.1.14.3.2 PostalAddress <PstlAdr>

Presence: [0..1]

Definition: Postal address related to a retrieval fulfilment.

PostalAddress <PstlAdr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.14.4 CardholderName1

Definition: Complete name of the cardholder.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1289
	GivenName <*GvnNm*>	[0..1]	Text		1289
	MiddleInitials <*MddlInitls*>	[0..1]	Text		1289
	LastName <*LastNm*>	[0..1]	Text		1290

44.1.14.4.1 Name <Nm>

Presence: [0..1]

Definition: Exact replication of the name of the cardholder as it appears on the card.

Datatype: "Max70Text" on page 1642

44.1.14.4.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 1640

44.1.14.4.3 MiddleInitials <MddlInitls>

Presence: [0..1]

Definition: Middle initials present in the name of a person.

Datatype: "Max35Text" on page 1640

44.1.14.4.4 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 1640

44.1.14.5 Cardholder15

Definition: Unprotected sensitive detailed information about the cardholder.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardholderName <*CrdhldrNm*>	[0..1]	±		1290
	Identification <*Id*>	[0..*]	±		1290
	Address <*Adr*>	[0..1]	±		1291
	ContactInformation <*CtctInf*>	[0..1]	±		1291
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1292

44.1.14.5.1 CardholderName <CrdhldrNm>

Presence: [0..1]

Definition: Contains the registered cardholder name that issuer knows to be correct.

CardholderName <CrdhldrNm> contains the following elements (see "CardholderName1" on page 1289 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1289
	GivenName <*GvnNm*>	[0..1]	Text		1289
	MiddleInitials <*MddlInitls*>	[0..1]	Text		1289
	LastName <*LastNm*>	[0..1]	Text		1290

44.1.14.5.2 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 1352 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	IdentificationCode <*IdCd*>	[1..1]	CodeSet		1352
	OtherIdentificationCode <*OthrIdCd*>	[0..1]	Text		1353
	IdentificationValue <*IdVal*>	[1..1]	Text		1353

44.1.14.5.3 Address <Adr>

Presence: [0..1]

Definition: Complete address of the cardholder.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.14.5.4 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 1353 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1353
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1353
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1354
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1354
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1354
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1354
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1354
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1354
	Language <*Lang*>	[0..1]	CodeSet		1354

44.1.14.5.5 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of the party.

Datatype: "ISODate" on page 1631

44.1.14.6 RetrievalFulfilmentInstructions1

Definition: Fulfilment instructions for the retrieval

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Method <*Mtd*>	[0..1]			1292
{Or	RequestedMethod <*ReqdMtd*>	[0..*]	Text		1293
Or	EstablishedMethod <*EstblishdMtd*>	[0..*]	Text		1293
Or}	ActualDeliveryMethod <*ActlDlvryMtd*>	[0..1]	Text		1293
	DeliveryInformation <*DlvryInf*>	[0..1]	±		1293
	AdditionalInformation <*AddtlInf*>	[0..1]	±		1293

44.1.14.6.1 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		1293
Or	EstablishedMethod <*EstblishdMtd*>	[0..*]	Text		1293
Or}	ActualDeliveryMethod <*ActlDlvryMtd*>	[0..1]	Text		1293

44.1.14.6.1.1 RequestedMethod <ReqdMtd>

Presence: [0..*]

Definition: Method requested by issuers to convey the transaction information.

Datatype: "Max35Text" on page 1640

44.1.14.6.1.2 EstablishedMethod <EstblishdMtd>

Presence: [0..*]

Definition: Method established by fulfilment system.

Datatype: "Max35Text" on page 1640

44.1.14.6.1.3 ActualDeliveryMethod <ActlDlvryMtd>

Presence: [0..1]

Definition: Method actually used to convey the transaction information.

Datatype: "Max35Text" on page 1640

44.1.14.6.2 DeliveryInformation <DlvryInf>

Presence: [0..1]

Definition: Information related to a retrieval fulfilment.

DeliveryInformation <DlvryInf> contains the following elements (see "DeliveryInformation2" on page 1287 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Contact <*Ctct*>	[0..1]			1287
	Name <*Nm*>	[0..1]	Text		1288
	FaxNumber <*FaxNb*>	[0..1]	Text		1288
	TelephoneNumber <*TelNb*>	[0..1]	Text		1288
	Email <*Email*>	[0..1]	Text		1288
	URLAddress <*URLAdr*>	[0..1]	Text		1288
	PostalAddress <*PstlAdr*>	[0..1]	±		1288

44.1.14.6.3 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information relevant for the retrieval.

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation22" on page 1294 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1295
	Target <*Trgt*>	[0..*]	CodeSet		1295
	Format <*Frmt*>	[0..1]	CodeSet		1296
	Type <*Tp*>	[0..1]	Text		1296
	Value <*Val*>	[1..1]	Text		1296

44.1.14.7 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		1294
	Description <*Desc*>	[1..1]	Text		1294
	Value <*Val*>	[0..1]	Text		1294

44.1.14.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of error corrected or amendment brought to the message.

Datatype: "Max35Text" on page 1640

44.1.14.7.2 Description <Desc>

Presence: [1..1]

Definition: Detailed description of the error or amendment.

Datatype: "Max500Text" on page 1641

44.1.14.7.3 Value <Val>

Presence: [0..1]

Definition: Contains the modified value.

Datatype: "Max256Text" on page 1639

44.1.14.8 AdditionalInformation22

Definition: Additional information relevant to the destination.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1295
	Target <*Trgt*>	[0..*]	CodeSet		1295
	Format <*Frmt*>	[0..1]	CodeSet		1296
	Type <*Tp*>	[0..1]	Text		1296
	Value <*Val*>	[1..1]	Text		1296

44.1.14.8.1 Recipient <Rcpt>

Presence: [0..1]

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

Datatype: "PartyType19Code" on page 1606

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

44.1.14.8.2 Target <Trgt>

Presence: [0..*]

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

Datatype: "UserInterface8Code" on page 1629

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.

CodeName	Name	Definition
OTHP	OtherPrivate	Other type of interface defined at private level.
OTHN	OtherNational	Other type of interface defined at national level.

44.1.14.8.3 Format <Frmt>

Presence: [0..1]

Definition: Format of the additional information.

Datatype: "OutputFormat4Code" on page 1605

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.

44.1.14.8.4 Type <Tp>

Presence: [0..1]

Definition: Defines the type of the value.

Datatype: "Max35Text" on page 1640

44.1.14.8.5 Value <Val>

Presence: [1..1]

Definition: Content of or reference to the message.

Datatype: "Max20KText" on page 1638

44.1.14.9 AdditionalInformation20

Definition: Additional information relevant to the destination.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1297
	OtherRecipient <*OthrRcpt*>	[0..1]	Text		1297
	Target <*Trgt*>	[0..*]	CodeSet		1297
	OtherTarget <*OthrTrgt*>	[0..1]	Text		1298
	Format <*Frmt*>	[0..1]	CodeSet		1298
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1298
	Type <*Tp*>	[0..1]	Text		1299
	Value <*Val*>	[1..1]	Text		1299

44.1.14.9.1 Recipient <Rcpt>

Presence: [0..1]

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

Datatype: "PartyType22Code" on page 1608

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.

44.1.14.9.2 OtherRecipient <OthrRcpt>

Presence: [0..1]

Definition: Other type of recipient of action data.

Datatype: "Max35Text" on page 1640

44.1.14.9.3 Target <Trgt>

Presence: [0..*]

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

Datatype: "UserInterface6Code" on page 1629

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.

CodeName	Name	Definition
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.

44.1.14.9.4 OtherTarget <OthrTrgt>

Presence: [0..1]

Definition: Other type of target for action data.

Datatype: "Max35Text" on page 1640

44.1.14.9.5 Format <Frmt>

Presence: [0..1]

Definition: Format of the additional information.

Datatype: "OutputFormat4Code" on page 1605

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.

44.1.14.9.6 OtherFormat <OthrFrmt>

Presence: [0..1]

Definition: Other output format.

Datatype: "Max35Text" on page 1640

44.1.14.9.7 Type <Tp>

Presence: [0..1]

Definition: Defines the type of the value.

Datatype: "Max35Text" on page 1640

44.1.14.9.8 Value <Val>

Presence: [1..1]

Definition: Content of or reference to the message.

Datatype: "Max20KText" on page 1638

44.1.14.10 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		1301
	Identification <*Id*>	[1..1]			1302
	ItemNumber <*ItmNb*>	[0..1]	Text		1302
	ProviderIdentification <*PrvdrId*>	[0..1]	Text		1302
	Identification <*Id*>	[0..1]	Text		1302
	SerialNumber <*SrlNb*>	[0..1]	Text		1302
	Status <*Sts*>	[0..1]			1302
	VersionNumber <*VrsnNb*>	[0..1]	Text		1303
	Status <*Sts*>	[0..1]	CodeSet		1303
	ExpiryDate <*XpryDt*>	[0..1]	Date		1303
	StandardCompliance <*StdCmplc*>	[0..*]			1303
	Identification <*Id*>	[1..1]	Text		1303
	Version <*Vrsn*>	[1..1]	Text		1304
	Issuer <*Issr*>	[1..1]	Text		1304
	Characteristics <*Chrtcs*>	[0..1]			1304
	Memory <*Mmry*>	[0..*]			1304
	Identification <*Id*>	[1..1]	Text		1305
	TotalSize <*TtlSz*>	[1..1]	Quantity		1305
	FreeSize <*FreeSz*>	[1..1]	Quantity		1305
	Unit <*Unit*>	[1..1]	CodeSet		1305
	Communication <*Com*>	[0..*]			1305
	CommunicationType <*ComTp*>	[1..1]	CodeSet		1306
	RemoteParty <*RmotPty*>	[1..*]	CodeSet		1306
	Active <*Actv*>	[1..1]	Indicator		1307
	SecurityAccessModules <*SctyAccsMdls*>	[0..1]	Quantity		1307
	SubscriberIdentityModules <*SbcbrIdntyMdls*>	[0..1]	Quantity		1307
	SecurityElement <*SctyElmt*>	[0..*]	±		1307
	Assessment <*Assmnt*>	[0..*]			1308
	Type <*Tp*>	[1..1]	CodeSet		1308
	Assigner <*Assgnr*>	[1..*]	Text		1309
	DeliveryDate <*DlvryDt*>	[0..1]	DateTime		1309

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ExpirationDate <*XprtnDt*>	[0..1]	DateTime		1309
	Number <*Nb*>	[1..1]	Text		1309

44.1.14.10.1 Type <Tp>

Presence: [1..1]

Definition: Type of component belonging to a POI (Point Of Interaction) Terminal.

Datatype: "POIComponentType5Code" on page 1613

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.

44.1.14.10.2 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		1302
	ProviderIdentification <*PrvdrId*>	[0..1]	Text		1302
	Identification <*Id*>	[0..1]	Text		1302
	SerialNumber <*SrlNb*>	[0..1]	Text		1302

44.1.14.10.2.1 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 1640

44.1.14.10.2.2 ProviderIdentification <PrvdrId>

Presence: [0..1]

Definition: Identifies the provider of the software, hardware or parameters of the POI component.

Datatype: "Max35Text" on page 1640

44.1.14.10.2.3 Identification <Id>

Presence: [0..1]

Definition: Identification of the POI component assigned by its provider.

Datatype: "Max35Text" on page 1640

44.1.14.10.2.4 SerialNumber <SrlNb>

Presence: [0..1]

Definition: Serial number identifying an occurrence of an hardware component.

Datatype: "Max35Text" on page 1640

44.1.14.10.3 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		1303
	Status <*Sts*>	[0..1]	CodeSet		1303
	ExpiryDate <*XpryDt*>	[0..1]	Date		1303

44.1.14.10.3.1 VersionNumber <VrsnNb>

Presence: [0..1]

Definition: Current version of the component that might include the release number.

Datatype: "Max256Text" on page 1639

44.1.14.10.3.2 Status <Sts>

Presence: [0..1]

Definition: Current status of the component.

Datatype: "POIComponentStatus1Code" on page 1613

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.

44.1.14.10.3.3 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiration date of the component.

Datatype: "ISODate" on page 1631

44.1.14.10.4 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		1303
	Version <*Vrsn*>	[1..1]	Text		1304
	Issuer <*Issr*>	[1..1]	Text		1304

44.1.14.10.4.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 1640

44.1.14.10.4.2 Version <Vrsn>

Presence: [1..1]

Definition: Version of the identification.

Datatype: "Max35Text" on page 1640

44.1.14.10.4.3 Issuer <Issr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 1640

44.1.14.10.5 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..*]			1304
	Identification <*Id*>	[1..1]	Text		1305
	TotalSize <*TtlSz*>	[1..1]	Quantity		1305
	FreeSize <*FreeSz*>	[1..1]	Quantity		1305
	Unit <*Unit*>	[1..1]	CodeSet		1305
	Communication <*Com*>	[0..*]			1305
	CommunicationType <*ComTp*>	[1..1]	CodeSet		1306
	RemoteParty <*RmotPty*>	[1..*]	CodeSet		1306
	Active <*Actv*>	[1..1]	Indicator		1307
	SecurityAccessModules <*SctyAccsMdls*>	[0..1]	Quantity		1307
	SubscriberIdentityModules <*SbcbrIdntyMdls*>	[0..1]	Quantity		1307
	SecurityElement <*SctyElmt*>	[0..*]	±		1307

44.1.14.10.5.1 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		1305
	TotalSize <*TtlSz*>	[1..1]	Quantity		1305
	FreeSize <*FreeSz*>	[1..1]	Quantity		1305
	Unit <*Unit*>	[1..1]	CodeSet		1305

44.1.14.10.5.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification or name of the memory.

Datatype: "Max35Text" on page 1640

44.1.14.10.5.1.2 TotalSize <TtlSz>

Presence: [1..1]

Definition: Total size of the memory unit.

Datatype: "DecimalNumber" on page 1632

44.1.14.10.5.1.3 FreeSize <FreeSz>

Presence: [1..1]

Definition: Total size of the available memory.

Datatype: "DecimalNumber" on page 1632

44.1.14.10.5.1.4 Unit <Unit>

Presence: [1..1]

Definition: Memory unit of the sizes.

Datatype: "MemoryUnit1Code" on page 1598

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.

44.1.14.10.5.2 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		1306
	RemoteParty <*RmotPty*>	[1..*]	CodeSet		1306
	Active <*Actv*>	[1..1]	Indicator		1307

44.1.14.10.5.2.1 CommunicationType <ComTp>

Presence: [1..1]

Definition: Type of low level communication.

Datatype: "POICommunicationType2Code" on page 1612

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.

44.1.14.10.5.2.2 RemoteParty <RmotPty>

Presence: [1..*]

Definition: Entity that communicate with the current component, using this communication device.

Datatype: "PartyType7Code" on page 1610

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.

44.1.14.10.5.2.3 Active <Actv>

Presence: [1..1]

Definition: Communication hardware is activated.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1631):

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

44.1.14.10.5.3 SecurityAccessModules <SctyAccsMdls>

Presence: [0..1]

Definition: Number of security access modules (SAM).

Datatype: "Number" on page 1633

44.1.14.10.5.4 SubscriberIdentityModules <SbcbrIdntyMdls>

Presence: [0..1]

Definition: Number of subscriber identity modules (SIM).

Datatype: "Number" on page 1633

44.1.14.10.5.5 SecurityElement <SctyElmt>

Presence: [0..*]

Definition: Security characteristics of the component.

SecurityElement <SctyElmt> contains the following elements (see "CryptographicKey13" on page 1421 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1422
	AdditionalIdentification <*AddtlId*>	[0..1]	Binary		1422
	Version <*Vrsn*>	[1..1]	Text		1422
	Type <*Tp*>	[0..1]	CodeSet		1422
	Function <*Fctn*>	[0..*]	CodeSet		1423
	ActivationDate <*ActvtnDt*>	[0..1]	DateTime		1424
	DeactivationDate <*DeactvtnDt*>	[0..1]	DateTime		1424
	KeyValue <*KeyVal*>	[0..1]	±		1424
	KeyCheckValue <*KeyChckVal*>	[0..1]	Binary		1424
	AdditionalManagementInformation <*AddtlMgmtInf*>	[0..*]			1424
	Name <*Nm*>	[1..1]	Text		1425
	Value <*Val*>	[0..1]	Text		1425

44.1.14.10.6 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		1308
	Assigner <*Assgnr*>	[1..*]	Text		1309
	DeliveryDate <*DlvryDt*>	[0..1]	DateTime		1309
	ExpirationDate <*XprtnDt*>	[0..1]	DateTime		1309
	Number <*Nb*>	[1..1]	Text		1309

44.1.14.10.6.1 Type <Tp>

Presence: [1..1]

Definition: Type of assessment of the component.

Datatype: "POIComponentAssessment1Code" on page 1613

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.

44.1.14.10.6.2 Assigner <Assgnr>

Presence: [1..*]

Definition: Body which has delivered the assessment.

Datatype: "Max35Text" on page 1640

44.1.14.10.6.3 DeliveryDate <DlvryDt>

Presence: [0..1]

Definition: Date when the assessment has been delivered.

Datatype: "ISODateTime" on page 1631

44.1.14.10.6.4 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Date when the assessment will expire.

Datatype: "ISODateTime" on page 1631

44.1.14.10.6.5 Number <Nb>

Presence: [1..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1640

44.1.14.11 EncapsulatedContent3

Definition: Data to authenticate.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1309
	Content <*Cntt*>	[0..1]	Binary		1310

44.1.14.11.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been authenticated.

Datatype: "ContentType2Code" on page 1582

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).

44.1.14.11.2 Content <Cntt>

Presence: [0..1]

Definition: Actual data to authenticate.

Datatype: "Max100KBinary" on page 1553

44.1.15 Organisation Identification

44.1.15.1 AdditionalAcceptorData1

Definition: Contains additional acceptor data

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AdditionalTransactionReferenceNumber <*AddtlTxRefNb*>	[0..1]	Text		1311
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1311
	CorporateTaxIdentification <*CorpTaxId*>	[0..1]	Text		1312
	CorporateTaxIdentificationType <*CorpTaxIdTp*>	[0..1]	CodeSet		1312
	AdditionalIdentification <*AddtlId*>	[0..*]			1312
	Type <*Tp*>	[1..1]	CodeSet		1312
	OtherType <*OthrTp*>	[0..1]	Text		1313
	Value <*Val*>	[1..1]	Text		1313
	Characteristics <*Chrtcs*>	[0..1]			1313
	BusinessType <*BizTp*>	[0..1]			1313
	Type <*Tp*>	[1..1]	Text		1314
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1314
	Owner <*Ownr*>	[0..1]			1314
	Type <*Tp*>	[1..1]	Text		1314
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1314
	Certification <*Certfctn*>	[0..1]			1314
	Type <*Tp*>	[1..1]	Text		1315
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1315
	OwnerEthnicity <*OwnrEthncty*>	[0..1]			1315
	Type <*Tp*>	[1..1]	Text		1315
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1315
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1315

44.1.15.1.1 AdditionalTransactionReferenceNumber <AddtlTxRefNb>

Presence: [0..1]

Definition: Contains a code that facilitates card acceptor/corporation communication and record keeping.

Datatype: "Max70Text" on page 1642

44.1.15.1.2 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 1642

44.1.15.1.3 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 1640

44.1.15.1.4 CorporateTaxIdentificationType <CorpTaxIdTp>

Presence: [0..1]

Definition: Indicates the corporate tax identification type.

Datatype: "CorporateTaxType1Code" on page 1583

CodeName	Name	Definition
SMBS	SmallBusiness	Small Business
OTHR	Other	Other
CORP	Corporate	Corporate

44.1.15.1.5 AdditionalIdentification <AddtlId>

Presence: [0..*]

Definition: Contains additional identification information.

AdditionalIdentification <AddtlId> contains the following **AdditionalIdentification1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1312
	OtherType <*OthrTp*>	[0..1]	Text		1313
	Value <*Val*>	[1..1]	Text		1313

44.1.15.1.5.1 Type <Tp>

Presence: [1..1]

Definition: Type of additional identification.

Datatype: "AdditionalIdentificationType1Code" on page 1562

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.

44.1.15.1.5.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other Additional Identification applied to the transaction.

Datatype: "Max35Text" on page 1640

44.1.15.1.5.3 Value <Val>

Presence: [1..1]

Definition: Additional identification value.

Datatype: "Max35Text" on page 1640

44.1.15.1.6 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]			1313
	Type <*Tp*>	[1..1]	Text		1314
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1314
	Owner <*Ownr*>	[0..1]			1314
	Type <*Tp*>	[1..1]	Text		1314
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1314
	Certification <*Certfctn*>	[0..1]			1314
	Type <*Tp*>	[1..1]	Text		1315
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1315
	OwnerEthnicity <*OwnrEthncty*>	[0..1]			1315
	Type <*Tp*>	[1..1]	Text		1315
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1315

44.1.15.1.6.1 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		1314
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1314

44.1.15.1.6.1.1 Type <Tp>

Presence: [1..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 1640

44.1.15.1.6.1.2 ProvidedBy <PrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 1640

44.1.15.1.6.2 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		1314
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1314

44.1.15.1.6.2.1 Type <Tp>

Presence: [1..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 1640

44.1.15.1.6.2.2 ProvidedBy <PrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 1640

44.1.15.1.6.3 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		1315
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1315

44.1.15.1.6.3.1 Type <Tp>

Presence: [1..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 1640

44.1.15.1.6.3.2 ProvidedBy <PrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 1640

44.1.15.1.6.4 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		1315
	ProvidedBy <*PrvddBy*>	[0..1]	Text		1315

44.1.15.1.6.4.1 Type <Tp>

Presence: [1..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 1640

44.1.15.1.6.4.2 ProvidedBy <PrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 1640

44.1.15.1.7 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the card acceptor.

Datatype: "Max350Text" on page 1639

44.1.15.2 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]	±		1316
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1316
	CommonName <*CmonNm*>	[0..1]	Text		1316
	Address <*Adr*>	[0..1]	±		1316

44.1.15.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the sponsored merchant.

Identification <Id> contains the following elements (see "PartyIdentification197" on page 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

44.1.15.2.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification information pertaining to the sponsored merchant.

Datatype: "Max35Text" on page 1640

44.1.15.2.3 CommonName <CmonNm>

Presence: [0..1]

Definition: Contains the full name of the sponsored merchant.

Datatype: "Max140Text" on page 1637

44.1.15.2.4 Address <Adr>

Presence: [0..1]

Definition: Address of the sponsored merchant.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.15.3 PartyIdentification209

Definition: Identification of a party

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1317
	Identification <*Id*>	[0..1]	±		1317
	Address <*Adr*>	[0..1]	±		1318
	Contact <*Ctct*>	[0..1]	±		1318
	Instructions <*Instrs*>	[0..1]	Text		1319

44.1.15.3.1 Name <Nm>

Presence: [0..1]

Definition: Name of the party.

Datatype: "Max70Text" on page 1642

44.1.15.3.2 Identification <Id>

Presence: [0..1]

Definition: Contains identification details.

Identification <Id> contains the following elements (see "PartyIdentification197" on page 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

44.1.15.3.3 Address <Adr>

Presence: [0..1]

Definition: Address of the customer.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.15.3.4 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the customer.

Contact <Ctct> contains the following elements (see "Contact6" on page 1331 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1331
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1331
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1331
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1331
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1332
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1332
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1332
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1332
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1332
	URLAddress <*URLAdr*>	[0..1]	Text		1332
	Language <*Lang*>	[0..1]	CodeSet	C3	1332

44.1.15.3.5 Instructions <Instrs>

Presence: [0..1]

Definition: Special instructions.

Datatype: "Max350Text" on page 1639

44.1.15.4 PartyIdentification204

Definition: Identification of a party.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1319
	Assigner <*Assgnr*>	[0..1]	Text		1320
	Country <*Ctry*>	[0..1]	CodeSet	C1	1320
	ShortName <*ShrtNm*>	[0..1]	Text		1320
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1320
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1320

44.1.15.4.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the acceptor.

ISO 8583 bit 42

Datatype: "Max35Text" on page 1640

44.1.15.4.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "Max35Text" on page 1640

44.1.15.4.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Impacted by: C1 "Country"

Datatype: "CountryCode" on page 1583

Constraints

- **Country**

  The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

44.1.15.4.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the party.

Datatype: "Max35Text" on page 1640

44.1.15.4.5 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification assigned to the party.

Datatype: "Max70Text" on page 1642

44.1.15.4.6 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 1643

44.1.15.5 PartyIdentification203

Definition: Identification of a party.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1321
	Assigner <*Assgnr*>	[0..1]	Text		1321
	Country <*Ctry*>	[0..1]	CodeSet		1321
	ShortName <*ShrtNm*>	[0..1]	Text		1322
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1322
	NameAndLocation <*NmAndLctn*>	[1..1]	Text		1322
	Address <*Adr*>	[0..1]	±		1322
	Email <*Email*>	[0..1]	Text		1322
	URLAddress <*URLAdr*>	[0..1]	Text		1323
	PhoneNumber <*PhneNb*>	[0..1]	Text		1323
	CustomerService <*CstmrSvc*>	[0..1]	Text		1323
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1323
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1323
	AdditionalData <*AddtlData*>	[0..*]			1323
	Type <*Tp*>	[0..1]	Text		1324
	Value <*Val*>	[0..1]	Text		1324
	SponsoredMerchant <*SpnsrdMrchnt*>	[0..*]	±		1324

44.1.15.5.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the acceptor.

ISO 8583 bit 42

Datatype: "Max35Text" on page 1640

44.1.15.5.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Identification of the entity assigning an identification to the acceptor.

Datatype: "Max35Text" on page 1640

44.1.15.5.3 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 1593

44.1.15.5.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the acceptor.

Datatype: "Max35Text" on page 1640

44.1.15.5.5 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification assigned by an agent to an acceptor.

Datatype: "Max35Text" on page 1640

44.1.15.5.6 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 1643

44.1.15.5.7 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 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.15.5.8 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 1639

44.1.15.5.9 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 1639

44.1.15.5.10 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 1640

44.1.15.5.11 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 1640

44.1.15.5.12 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 1639

44.1.15.5.13 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..1]

Definition: Identification of a party by its tax registration number.

Datatype: "Max35Text" on page 1640

44.1.15.5.14 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		1324
	Value <*Val*>	[0..1]	Text		1324

44.1.15.5.14.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

44.1.15.5.14.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

44.1.15.5.15 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 1315 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	±		1316
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1316
	CommonName <*CmonNm*>	[0..1]	Text		1316
	Address <*Adr*>	[0..1]	±		1316

44.1.15.6 PartyIdentification199

Definition: Identification of a party.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1325
	Assigner <*Assgnr*>	[0..1]	Text		1325
	Country <*Ctry*>	[0..1]	CodeSet		1325
	ShortName <*ShrtNm*>	[0..1]	Text		1325
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1326
	NameAndLocation <*NmAndLctn*>	[0..1]	Text		1326
	Address <*Adr*>	[0..1]	±		1326
	Email <*Email*>	[0..1]	Text		1326
	URLAddress <*URLAdr*>	[0..1]	Text		1326
	PhoneNumber <*PhneNb*>	[0..1]	Text		1327
	CustomerService <*CstmrSvc*>	[0..1]	Text		1327
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1327
	TaxRegistrationIdentification <*TaxRegnId*>	[0..1]	Text		1327

44.1.15.6.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the acceptor.

ISO 8583 bit 42

Datatype: "Max35Text" on page 1640

44.1.15.6.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Identification of the entity assigning an identification to the acceptor.

Datatype: "Max35Text" on page 1640

44.1.15.6.3 Country <Ctry>

Presence: [0..1]

Definition: Country code of the acceptor.

ISO 8583 bit 19

Datatype: "ISO3NumericCountryCode" on page 1593

44.1.15.6.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the acceptor.

Datatype: "Max35Text" on page 1640

44.1.15.6.5 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification assigned by an agent to an acceptor.

Datatype: "Max35Text" on page 1640

44.1.15.6.6 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 1643

44.1.15.6.7 Address <Adr>

Presence: [0..1]

Definition: Address of the entity.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.15.6.8 Email <Email>

Presence: [0..1]

Definition: Electronic mail address.

Datatype: "Max256Text" on page 1639

44.1.15.6.9 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1639

44.1.15.6.10 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Collection of information that identifies a phone number as defined by telecom services.

Datatype: "Max35Text" on page 1640

44.1.15.6.11 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer service.

Datatype: "Max35Text" on page 1640

44.1.15.6.12 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 1639

44.1.15.6.13 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..1]

Definition: Identification of a party by its tax registration number.

Datatype: "Max35Text" on page 1640

44.1.15.7 PartyIdentification198

Definition: Identification of a party.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1327
	Assigner <*Assgnr*>	[0..1]	CodeSet		1327
	Country <*Ctry*>	[0..1]	CodeSet		1328
	ShortName <*ShrtNm*>	[0..1]	Text		1328

44.1.15.7.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the party.

Datatype: "Max35Text" on page 1640

44.1.15.7.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "PartyType18Code" on page 1606

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.

44.1.15.7.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Datatype: "ISO3NumericCountryCode" on page 1593

44.1.15.7.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the party.

Datatype: "Max35Text" on page 1640

44.1.15.8 PartyIdentification197

Definition: Identification of a party.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

44.1.15.8.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the party.

Datatype: "Max35Text" on page 1640

44.1.15.8.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "Max35Text" on page 1640

44.1.15.8.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Datatype: "ISO3NumericCountryCode" on page 1593

44.1.15.8.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the party.

Datatype: "Max35Text" on page 1640

44.1.15.8.5 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification of the party.

Datatype: "Max35Text" on page 1640

44.1.15.9 GenericIdentification172

Definition: Identification of an entity.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1329
	Type <*Tp*>	[0..1]	CodeSet		1329
	OtherType <*OthrTp*>	[0..1]	Text		1330
	Assigner <*Assgnr*>	[0..1]	CodeSet		1330
	Country <*Ctry*>	[0..1]	Text		1330
	ShortName <*ShrtNm*>	[0..1]	Text		1330

44.1.15.9.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 1640

44.1.15.9.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType17Code" on page 1606

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.

44.1.15.9.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of identification.

Datatype: "Max35Text" on page 1640

44.1.15.9.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity type in charge of assigning an identification.

Datatype: "PartyType18Code" on page 1606

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.

44.1.15.9.5 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 1643

44.1.15.9.6 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1640

44.1.16 Party Identification

44.1.16.1 Contact6

Definition: Details of a contact person.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1331
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1331
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1331
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1331
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1332
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1332
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1332
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1332
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1332
	URLAddress <*URLAdr*>	[0..1]	Text		1332
	Language <*Lang*>	[0..1]	CodeSet	C3	1332

44.1.16.1.1 HomePhoneNumber <HomePhneNb>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.16.1.2 BusinessPhoneNumber <BizPhneNb>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.16.1.3 MobilePhoneNumber <MobPhneNb>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.16.1.4 OtherPhoneNumber <OthrPhneNb>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.16.1.5 PersonalEmailAddress <PrsnlEmailAdr>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 1639

44.1.16.1.6 BusinessEmailAddress <BizEmailAdr>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 1639

44.1.16.1.7 OtherEmailAddress <OthrEmailAdr>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 1639

44.1.16.1.8 HomeFaxNumber <HomeFaxNb>

Presence: [0..1]

Definition: Home fax number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1644

44.1.16.1.9 BusinessFaxNumber <BizFaxNb>

Presence: [0..1]

Definition: Business fax number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1644

44.1.16.1.10 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1639

44.1.16.1.11 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1595

Constraints

- **ValidationByTable**

  Must be a valid terrestrial language.

44.1.16.2 PartyIdentification210

Definition: Identification of a party.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PersonalIdentification <*PrsnlId*>	[0..1]	Text		1333
	EmployeeIdentification <*MplyeeId*>	[0..1]	Text		1333
	Name <*Nm*>	[0..1]	Text		1333
	ProfessionalLevel <*PrfssnlLvl*>	[0..1]	Text		1333

44.1.16.2.1 PersonalIdentification <PrsnlId>

Presence: [0..1]

Definition: Contains the personal ID associated with the individual working in a temporary capacity.

Datatype: "Max35Text" on page 1640

44.1.16.2.2 EmployeeIdentification <MplyeeId>

Presence: [0..1]

Definition: Contains the company-provided ID associated with the individual working in a temporary capacity.

Datatype: "PhoneNumber" on page 1644

44.1.16.2.3 Name <Nm>

Presence: [0..1]

Definition: Contains the name of the individual working in a temporary capacity.

Datatype: "Max70Text" on page 1642

44.1.16.2.4 ProfessionalLevel <PrfssnlLvl>

Presence: [0..1]

Definition: Contains the professional level of the individual working in a temporary capacity.

Datatype: "Max35Text" on page 1640

44.1.16.3 VehicleRentalCompany1

Definition: Company in charge of a vehicle rental service.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1334
	Identification <*Id*>	[0..1]	±		1334
	Address <*Adr*>	[0..1]	±		1334
	Contact <*Ctct*>	[0..1]			1335
	CentralPhoneNumber <*CntrlPhneNb*>	[0..1]	Text		1335
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1335
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1336
	Email <*Email*>	[0..1]	Text		1336
	FaxNumber <*FaxNb*>	[0..1]	Text		1336
	URLAddress <*URLAdr*>	[0..1]	Text		1336
	Language <*Lang*>	[0..1]	CodeSet	C3	1336
	Country <*Ctry*>	[0..1]	Text		1336
	Type <*Tp*>	[0..1]	CodeSet		1336
	OtherType <*OthrTp*>	[0..1]	Text		1337

44.1.16.3.1 Name <Nm>

Presence: [0..1]

Definition: Name of the vehicle rental company.

Datatype: "Max70Text" on page 1642

44.1.16.3.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the vehicle rental company.

Identification <Id> contains the following elements (see "PartyIdentification197" on page 1328 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1328
	Assigner <*Assgnr*>	[0..1]	Text		1328
	Country <*Ctry*>	[0..1]	CodeSet		1329
	ShortName <*ShrtNm*>	[0..1]	Text		1329
	AdditionalIdentification <*AddtlId*>	[0..1]	Text		1329

44.1.16.3.3 Address <Adr>

Presence: [0..1]

Definition: Address of the vehicle rental company.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.16.3.4 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		1335
	PropertyPhoneNumber <*PrprtyPhneNb*>	[0..1]	Text		1335
	TollFreePhoneNumber <*TollFreePhneNb*>	[0..1]	Text		1336
	Email <*Email*>	[0..1]	Text		1336
	FaxNumber <*FaxNb*>	[0..1]	Text		1336
	URLAddress <*URLAdr*>	[0..1]	Text		1336
	Language <*Lang*>	[0..1]	CodeSet	C3	1336

44.1.16.3.4.1 CentralPhoneNumber <CntrlPhneNb>

Presence: [0..1]

Definition: Central phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.16.3.4.2 PropertyPhoneNumber <PrprtyPhneNb>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.16.3.4.3 TollFreePhoneNumber <TollFreePhneNb>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 1644

44.1.16.3.4.4 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 1639

44.1.16.3.4.5 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 1644

44.1.16.3.4.6 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1639

44.1.16.3.4.7 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1595

Constraints

- **ValidationByTable**

  Must be a valid terrestrial language.

44.1.16.3.5 Country <Ctry>

Presence: [0..1]

Definition: Country of the vehicle rental company.

ISO 3166

Datatype: "Min2Max3AlphaText" on page 1643

44.1.16.3.6 Type <Tp>

Presence: [0..1]

Definition: Type of vehicle rental activity.

Datatype: "CarRentalActivity1Code" on page 1580

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.

44.1.16.3.7 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of vehicle rental activity.

Datatype: "Max35Text" on page 1640

44.1.16.4 PartyIdentification211

Definition: Identification of a party.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <*FI*>	[0..1]	±		1337
	Customer <*Cstmr*>	[0..1]	±		1338

44.1.16.4.1 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 1274 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1274
	Name <*Nm*>	[0..1]	Text		1274
	Address <*Adr*>	[0..1]	±		1274
	Email <*Email*>	[0..1]	Text		1275
	URLAddress <*URLAdr*>	[0..1]	Text		1275
	PhoneNumber <*PhneNb*>	[0..1]	Text		1275
	CustomerService <*CstmrSvc*>	[0..1]	Text		1275
	AdditionalContactInformation <*AddtlCtctInf*>	[0..1]	Text		1275

44.1.16.4.2 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 1351 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CustomerIdentification <*CstmrId*>	[0..1]	Text		1351
	Name <*Nm*>	[0..1]	Text		1351
	Address <*Adr*>	[0..1]	±		1351
	Credentials <*Crdntls*>	[0..*]	±		1352
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1352
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1352

44.1.16.5 PartyIdentification207

Definition: Identification of a party.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Code <*Cd*>	[0..1]	Text		1338
	Assigner <*Assgnr*>	[0..1]	Text		1338
	IATACode <*IATACd*>	[0..1]	Text		1338
	Name <*Nm*>	[0..1]	Text		1339
	ShortName <*ShrtNm*>	[0..1]	Text		1339
	Address <*Adr*>	[0..1]	±		1339
	Contact <*Ctct*>	[0..1]	±		1339

44.1.16.5.1 Code <Cd>

Presence: [0..1]

Definition: Contains an agency code or name.

Datatype: "Max35Text" on page 1640

44.1.16.5.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Assigner of the code.

Datatype: "Max35Text" on page 1640

44.1.16.5.3 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 1640

44.1.16.5.4 Name <Nm>

Presence: [0..1]

Definition: Name of the company.

Datatype: "Max70Text" on page 1642

44.1.16.5.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the company.

Datatype: "Max35Text" on page 1640

44.1.16.5.6 Address <Adr>

Presence: [0..1]

Definition: Address of the customer.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.16.5.7 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the customer.

Contact <Ctct> contains the following elements (see "Contact6" on page 1331 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1331
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1331
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1331
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1331
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1332
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1332
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1332
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1332
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1332
	URLAddress <*URLAdr*>	[0..1]	Text		1332
	Language <*Lang*>	[0..1]	CodeSet	C3	1332

44.1.16.6 Originator1

Definition: Originator of the transaction.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1340
	Assigner <*Assgnr*>	[0..1]	Text		1340
	Country <*Ctry*>	[0..1]	CodeSet		1340
	ShortName <*ShrtNm*>	[0..1]	Text		1341

44.1.16.6.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the originator of the transaction.

Datatype: "Max35Text" on page 1640

44.1.16.6.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Identification of the entity assigning the originator identification.

Datatype: "Max35Text" on page 1640

44.1.16.6.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the originator.

Datatype: "ISO3NumericCountryCode" on page 1593

44.1.16.6.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the originator.

Datatype: "Max35Text" on page 1640

44.1.16.7 Destination1

Definition: Destination of the message.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1341
	Assigner <*Assgnr*>	[0..1]	Text		1341
	Country <*Ctry*>	[0..1]	CodeSet		1341
	ShortName <*ShrtNm*>	[0..1]	Text		1341

44.1.16.7.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the destination of the transaction.

Datatype: "Max35Text" on page 1640

44.1.16.7.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Identification of the entity assigning the destination identification.

Datatype: "Max35Text" on page 1640

44.1.16.7.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the destination.

Datatype: "ISO3NumericCountryCode" on page 1593

44.1.16.7.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the destination.

Datatype: "Max35Text" on page 1640

44.1.17 Person Identification

44.1.17.1 PINData1

Definition: Attributes of a cardholder PIN.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Control <*Ctrl*>	[0..1]	Text		1342
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1342
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1342
	Algorithm <*Algo*>	[0..1]	Text		1343
	KeyLength <*KeyLngth*>	[0..1]	Text		1343
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1343
	KeyIndex <*KeyIndx*>	[0..1]	Text		1343
	PINBlockFormat <*PINBlckFrmt*>	[1..1]	Text		1343
	EncryptedPINBlock <*NcrptdPINBlck*>	[1..1]	Text		1343

44.1.17.1.1 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 1634

44.1.17.1.2 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 1643

44.1.17.1.3 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 1639

44.1.17.1.4 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 1639

44.1.17.1.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 1641

44.1.17.1.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 1639

44.1.17.1.7 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 1641

44.1.17.1.8 PINBlockFormat <PINBlckFrmt>

Presence: [1..1]

Definition: As defined in ISO 9564-1.

Datatype: "Max2NumericText" on page 1639

44.1.17.1.9 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: As defined in ISO 9564-1.

Binary, length of 8 or 16

Datatype: "Max16HexBinaryText" on page 1637

44.1.17.2 LoyaltyMember1

Definition: Details about a member of a loyalty programme.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1344
	Address <*Adr*>	[0..1]	±		1344
	Identification <*Id*>	[0..1]	Text		1345
	MemberStatus <*MmbSts*>	[0..1]	Text		1345
	ExpirationDate <*XprtnDt*>	[0..1]	Date		1345
	LoyaltyValue <*LltyVal*>	[0..1]	Text		1345
	LoyaltyValueType <*LltyValTp*>	[0..1]	CodeSet		1345
	OtherLoyaltyValueType <*OthrLltyValTp*>	[0..1]	Text		1345
	ValueToCredit <*ValToCdt*>	[0..1]	Text		1345
	ValueToDebit <*ValToDbt*>	[0..1]	Text		1346
	Balance <*Bal*>	[0..1]	Text		1346

44.1.17.2.1 Name <Nm>

Presence: [0..1]

Definition: Name of the member of the loyalty programme.

Datatype: "Max35Text" on page 1640

44.1.17.2.2 Address <Adr>

Presence: [0..1]

Definition: Address of the loyalty member.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.17.2.3 Identification <Id>

Presence: [0..1]

Definition: Identification of the member of the loyalty programme.

Datatype: "Max35Text" on page 1640

44.1.17.2.4 MemberStatus <MmbSts>

Presence: [0..1]

Definition: Status of the loyalty programme member for the programme.

Datatype: "Max35Text" on page 1640

44.1.17.2.5 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Expiration date of the loyalty programme.

Datatype: "ISODate" on page 1631

44.1.17.2.6 LoyaltyValue <LltyVal>

Presence: [0..1]

Definition: Value expressed in type of value for the loyalty programme.

Datatype: "Max10NumericText" on page 1636

44.1.17.2.7 LoyaltyValueType <LltyValTp>

Presence: [0..1]

Definition: Type of value used for the loyalty programme.

Datatype: "LoyaltyValueType1Code" on page 1598

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.

44.1.17.2.8 OtherLoyaltyValueType <OthrLltyValTp>

Presence: [0..1]

Definition: Other type of loyalty value used for the programme.

Datatype: "Max35Text" on page 1640

44.1.17.2.9 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 1636

44.1.17.2.10 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 1636

44.1.17.2.11 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 1636

44.1.17.3 Customer6

Definition: Details of the customer

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AccountNumber <*AcctNb*>	[0..1]	Text		1346
	Name <*Nm*>	[0..1]	Text		1346
	PhoneNumber <*PhneNb*>	[0..1]	Text		1346

44.1.17.3.1 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Customer account number with the service provider.

Datatype: "Max35Text" on page 1640

44.1.17.3.2 Name <Nm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max70Text" on page 1642

44.1.17.3.3 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Customer's primary contact phone number.

Datatype: "PhoneNumber" on page 1644

44.1.17.4 Customer5

Definition: Details of the customer

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1347
	Identification <*Id*>	[1..1]			1347
	Type <*Tp*>	[1..1]	Text		1347
	OtherType <*OthrTp*>	[0..1]	Text		1347
	Identification <*Id*>	[1..1]	Text		1348
	Assigner <*Assgnr*>	[0..1]	Text		1348
	CustomerFileReferenceNumber <*CstmrFileRefNb*>	[0..1]	Text		1348
	Age <*Age*>	[0..1]	Text		1348
	Address <*Adr*>	[0..1]	±		1348
	Contact <*Ctct*>	[0..1]	±		1348

44.1.17.4.1 Name <Nm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max70Text" on page 1642

44.1.17.4.2 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		1347
	OtherType <*OthrTp*>	[0..1]	Text		1347
	Identification <*Id*>	[1..1]	Text		1348
	Assigner <*Assgnr*>	[0..1]	Text		1348

44.1.17.4.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of identification.

Datatype: "Max4Text" on page 1641

44.1.17.4.2.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of identification.

Datatype: "Max35Text" on page 1640

44.1.17.4.2.3 Identification <Id>

Presence: [1..1]

Definition: Identification of the party.

Datatype: "Max70Text" on page 1642

44.1.17.4.2.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "Max35Text" on page 1640

44.1.17.4.3 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 1642

44.1.17.4.4 Age <Age>

Presence: [0..1]

Definition: Age of the customer.

Datatype: "Max2NumericText" on page 1639

44.1.17.4.5 Address <Adr>

Presence: [0..1]

Definition: Address details of the customer.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.17.4.6 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the customer.

Contact <Ctct> contains the following elements (see "Contact6" on page 1331 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1331
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1331
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1331
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1331
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1332
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1332
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1332
	HomeFaxNumber <*HomeFaxNb*>	[0..1]	Text		1332
	BusinessFaxNumber <*BizFaxNb*>	[0..1]	Text		1332
	URLAddress <*URLAdr*>	[0..1]	Text		1332
	Language <*Lang*>	[0..1]	CodeSet	C3	1332

44.1.17.5 Customer4

Definition: Information related to a consumer or a company.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1349
	ReferenceNumber <*RefNb*>	[0..1]	Text		1350
	TaxRegistrationIdentification <*TaxRegnId*>	[0..*]	Text		1350
	AuthorisedContactCompany <*AuthrsdCtctCpny*>	[0..1]	Text		1350
	AuthorisedContactName <*AuthrsdCtctNm*>	[0..1]	Text		1350
	AuthorisedContactPhoneNumber <*AuthrsdCtctPhneNb*>	[0..1]	Text		1350
	VIPIndicator <*VIPInd*>	[0..1]	Indicator		1350
	CustomerRelationship <*CstmrRltsh*>	[0..1]	Text		1350

44.1.17.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of customer.

Datatype: "CustomerType2Code" on page 1584

CodeName	Name	Definition
CSMR	Consumer	Consumer
CPNY	Company	Company

44.1.17.5.2 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 1640

44.1.17.5.3 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..*]

Definition: Identification of the customer recognized by the taxation authority.

Datatype: "Max70Text" on page 1642

44.1.17.5.4 AuthorisedContactCompany <AuthrsdCtctCpny>

Presence: [0..1]

Definition: Contact at the company.

Datatype: "Max70Text" on page 1642

44.1.17.5.5 AuthorisedContactName <AuthrsdCtctNm>

Presence: [0..1]

Definition: Corporate individual or company (cardholder or their company) to be contacted for authorised purchases.

Datatype: "Max70Text" on page 1642

44.1.17.5.6 AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>

Presence: [0..1]

Definition: Phone number of an individual or

company contacted for company authorised purchases.

Datatype: "PhoneNumber" on page 1644

44.1.17.5.7 VIPIndicator <VIPInd>

Presence: [0..1]

Definition: Very Important Person indicator.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1631):

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

44.1.17.5.8 CustomerRelationship <CstmrRltsh>

Presence: [0..1]

Definition: Customer relationship identifier.

Datatype: "Max35Text" on page 1640

44.1.17.6 Customer3

Definition: Identifies the customer in a transfer of money.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CustomerIdentification <*CstmrId*>	[0..1]	Text		1351
	Name <*Nm*>	[0..1]	Text		1351
	Address <*Adr*>	[0..1]	±		1351
	Credentials <*Crdntls*>	[0..*]	±		1352
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1352
	DateOfBirth <*DtOfBirth*>	[0..1]	Date		1352

44.1.17.6.1 CustomerIdentification <CstmrId>

Presence: [0..1]

Definition: Identification of the customer assigned by a party.

Datatype: "Max35Text" on page 1640

44.1.17.6.2 Name <Nm>

Presence: [0..1]

Definition: Name of the financial customer.

Datatype: "Max70Text" on page 1642

44.1.17.6.3 Address <Adr>

Presence: [0..1]

Definition: Address of the financial customer.

Address <Adr> contains the following elements (see "Address1" on page 974 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	AddressLine1 <*AdrLine1*>	[0..1]	Text		974
	AddressLine2 <*AdrLine2*>	[0..1]	Text		974
	StreetName <*StrtNm*>	[0..1]	Text		975
	BuildingNumber <*BldgNb*>	[0..1]	Text		975
	PostalCode <*PstlCd*>	[0..1]	Text		975
	TownName <*TwnNm*>	[0..1]	Text		975
	CountrySubDivisionMinor <*CtrySubDvsnMnr*>	[0..1]	Text		975
	CountrySubDivisionMajor <*CtrySubDvsnMjr*>	[0..1]	Text		975
	Country <*Ctry*>	[0..1]	Text		975

44.1.17.6.4 Credentials <Crdntls>

Presence: [0..*]

Definition: Credentials of the financial customer.

Credentials <Crdntls> contains the following elements (see "Credentials1" on page 1352 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	IdentificationCode <*IdCd*>	[1..1]	CodeSet		1352
	OtherIdentificationCode <*OthrIdCd*>	[0..1]	Text		1353
	IdentificationValue <*IdVal*>	[1..1]	Text		1353

44.1.17.6.5 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information related to the customer.

Datatype: "Max256Text" on page 1639

44.1.17.6.6 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of the party.

Datatype: "ISODate" on page 1631

44.1.17.7 Credentials1

Definition: Contains credential information.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	IdentificationCode <*IdCd*>	[1..1]	CodeSet		1352
	OtherIdentificationCode <*OthrIdCd*>	[0..1]	Text		1353
	IdentificationValue <*IdVal*>	[1..1]	Text		1353

44.1.17.7.1 IdentificationCode <IdCd>

Presence: [1..1]

Definition: Identification of the type of credential.

Datatype: "Identification2Code" on page 1591

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.

44.1.17.7.2 OtherIdentificationCode <OthrIdCd>

Presence: [0..1]

Definition: Used when OtherNational or OtherPrivate value is selected in identification code list.

Datatype: "Max35Text" on page 1640

44.1.17.7.3 IdentificationValue <IdVal>

Presence: [1..1]

Definition: Value of identification.

Datatype: "Max70Text" on page 1642

44.1.17.8 Contact1

Definition: Contact person details.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Name <*Nm*>	[0..1]	Text		1353
	HomePhoneNumber <*HomePhneNb*>	[0..1]	Text		1353
	BusinessPhoneNumber <*BizPhneNb*>	[0..1]	Text		1354
	MobilePhoneNumber <*MobPhneNb*>	[0..1]	Text		1354
	OtherPhoneNumber <*OthrPhneNb*>	[0..1]	Text		1354
	PersonalEmailAddress <*PrsnlEmailAdr*>	[0..1]	Text		1354
	BusinessEmailAddress <*BizEmailAdr*>	[0..1]	Text		1354
	OtherEmailAddress <*OthrEmailAdr*>	[0..1]	Text		1354
	Language <*Lang*>	[0..1]	CodeSet		1354

44.1.17.8.1 Name <Nm>

Presence: [0..1]

Definition: Name of the contact person.

Datatype: "Max70Text" on page 1642

44.1.17.8.2 HomePhoneNumber <HomePhneNb>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.17.8.3 BusinessPhoneNumber <BizPhneNb>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.17.8.4 MobilePhoneNumber <MobPhneNb>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.17.8.5 OtherPhoneNumber <OthrPhneNb>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 1644

44.1.17.8.6 PersonalEmailAddress <PrsnlEmailAdr>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 1639

44.1.17.8.7 BusinessEmailAddress <BizEmailAdr>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 1639

44.1.17.8.8 OtherEmailAddress <OthrEmailAdr>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 1639

44.1.17.8.9 Language <Lang>

Presence: [0..1]

Definition: Language of the contact person.

Datatype: "ISO2ALanguageCode" on page 1593

44.1.18 POI Component

44.1.18.1 Capabilities1

Definition: Capabilities of the terminal.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardReadingCapability <*CardRdngCpblty*>	[0..*]	CodeSet		1355
	OtherCardReadingCapabilities <*OthrCardRdngCpblties*>	[0..*]	Text		1356
	CardWritingCapabilities <*CardWrtgCpblties*>	[0..*]	CodeSet		1356
	OtherCardWritingCapabilities <*OthrCardWrtgCpblties*>	[0..*]	Text		1356
	PINLengthCapabilities <*PINLngthCpblties*>	[0..1]	Quantity		1356
	ApprovalCodeLength <*ApprvlCdLngth*>	[0..1]	Quantity		1357
	MaxScriptLength <*MxScrptLngth*>	[0..1]	Quantity		1357
	PINPadInoperative <*PINPadInprtv*>	[0..1]	Indicator		1357
	CardCaptureCapable <*CardCaptrCpbl*>	[0..1]	Indicator		1357
	OnLineCapabilities <*OnLineCpblties*>	[0..1]	CodeSet		1358
	MessageCapabilities <*MsgCpblties*>	[0..*]			1358
	Destination <*Dstn*>	[1..1]	CodeSet		1358
	AvailableFormat <*AvlblFrmt*>	[0..*]	CodeSet		1358
	NumberOfLines <*NbOfLines*>	[0..1]	Quantity		1359
	LineWidth <*LineWidth*>	[0..1]	Quantity		1359
	AvailableLanguage <*AvlblLang*>	[0..*]	CodeSet	C3	1359
	CardholderVerificationCapability <*CrdhldrVrfctnCpblty*>	[0..*]	±		1359

44.1.18.1.1 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 1577

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	MSIProximity	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.

44.1.18.1.2 OtherCardReadingCapabilities <OthrCardRdngCpblties>

Presence: [0..*]

Definition: Other types of card reading capabilities.

Datatype: "Max35Text" on page 1640

44.1.18.1.3 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 1577

CodeName	Name	Definition
ICPY	ICCProximity	ICC contactless proximity
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability
MSIP	MSIProximity	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.

44.1.18.1.4 OtherCardWritingCapabilities <OthrCardWrtgCpblties>

Presence: [0..*]

Definition: Other card writing or output capabilities of the terminal performing the transaction.

Datatype: "Max35Text" on page 1640

44.1.18.1.5 PINLengthCapabilities <PINLngthCpblties>

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 1633

44.1.18.1.6 ApprovalCodeLength <ApprvlCdLngth>

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 1633

44.1.18.1.7 MaxScriptLength <MxScrptLngth>

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 1633

44.1.18.1.8 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 1631):

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

44.1.18.1.9 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 1631):

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

44.1.18.1.10 OnLineCapabilities <OnLineCpblties>

Presence: [0..1]

Definition: Capability of the terminal to go online.

Datatype: "OnLineCapability2Code" on page 1605

CodeName	Name	Definition
OFLN	OffLine	Off-line only capable.
ONLN	OnLine	On-line only capable.
BOTH	BothOnLineAndOffLine	Both online and offline

44.1.18.1.11 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 <*Dstn*>	[1..1]	CodeSet		1358
	AvailableFormat <*AvlblFrmt*>	[0..*]	CodeSet		1358
	NumberOfLines <*NbOfLines*>	[0..1]	Quantity		1359
	LineWidth <*LineWidth*>	[0..1]	Quantity		1359
	AvailableLanguage <*AvlblLang*>	[0..*]	CodeSet	C3	1359

44.1.18.1.11.1 Destination <Dstn>

Presence: [1..1]

Definition: Destination of the message to present.

Datatype: "UserInterface1Code" on page 1628

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.
MDSP	MerchantDisplay	Merchant display or interface.
MRCP	MerchantReceipt	Merchant receipt.

44.1.18.1.11.2 AvailableFormat <AvlblFrmt>

Presence: [0..*]

Definition: Available message format.

Datatype: "OutputFormat1Code" on page 1605

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.

44.1.18.1.11.3 NumberOfLines <NbOfLines>

Presence: [0..1]

Definition: Number of lines of the display.

Datatype: "Number" on page 1633

44.1.18.1.11.4 LineWidth <LineWidth>

Presence: [0..1]

Definition: Number of columns of the display or printer.

Datatype: "Number" on page 1633

44.1.18.1.11.5 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 1595

Constraints

- **ValidationByTable**

  Must be a valid terrestrial language.

44.1.18.1.12 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 1381 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Capability <*Cpblty*>	[1..1]	CodeSet		1381
	OtherCapability <*OthrCpblty*>	[0..1]	Text		1382

44.1.18.2 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		1360
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1361
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1361
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1361
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1362
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1362
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1362
	ECommerceData <*EComrcData*>	[0..*]			1362
	Type <*Tp*>	[1..1]	Text		1363
	Value <*Val*>	[1..1]	Text		1363
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1363
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1363
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1364
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1364
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1365
	CardDataEntryMode <*CardDataNtryMd*>	[0..1]	CodeSet		1365
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1366
	StorageLocation <*StorgLctn*>	[0..1]	Text		1366
	SpecialConditions <*SpclConds*>	[0..*]			1366
	Identification <*Id*>	[0..1]	Text		1366
	Value <*Val*>	[0..1]	Text		1366

44.1.18.2.1 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 1631):

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

44.1.18.2.2 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 1631):

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

44.1.18.2.3 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 1631):

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

44.1.18.2.4 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 1631):

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

44.1.18.2.5 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 1631):

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

44.1.18.2.6 UnattendedLevelCategory <UattnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended terminal.

Datatype: "Max35NumericText" on page 1640

44.1.18.2.7 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 1631):

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

44.1.18.2.8 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		1363
	Value <*Val*>	[1..1]	Text		1363

44.1.18.2.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ecommerce data (for example ,ECI level, downgrade reason, etc).

Datatype: "Max35Text" on page 1640

44.1.18.2.8.2 Value <Val>

Presence: [1..1]

Definition: Value related to a specific ecommerce type.

Datatype: "Max2048Text" on page 1638

44.1.18.2.9 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 1631):

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

44.1.18.2.10 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 1631):

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

44.1.18.2.11 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 1631):

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

44.1.18.2.12 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 1619

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

44.1.18.2.13 OtherSecurityCharacteristics <OthrSctyChrtcs>

Presence: [0..1]

Definition: Other security characteristics.

Datatype: "Max35Text" on page 1640

44.1.18.2.14 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 1577

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	MSIProximity	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.

44.1.18.2.15 OtherCardDataEntryMode <OthrCardDataNtryMd>

Presence: [0..1]

Definition: Other type of card data entry mode.

Datatype: "Max35Text" on page 1640

44.1.18.2.16 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of payment credential (for example, Acceptor or third party wallet).

Datatype: "Max35Text" on page 1640

44.1.18.2.17 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		1366
	Value <*Val*>	[0..1]	Text		1366

44.1.18.2.17.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the special condition.

Datatype: "Max35Text" on page 1640

44.1.18.2.17.2 Value <Val>

Presence: [0..1]

Definition: Level of the condition.

Datatype: "Max35Text" on page 1640

44.1.18.3 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		1367
	CardholderPresent <*CrdhldrPres*>	[0..1]	Indicator		1368
	CardholderActivated <*CrdhldrActvtd*>	[0..1]	Indicator		1368
	TransponderInitiated <*TrnspndrInittd*>	[0..1]	Indicator		1368
	AttendedIndicator <*AttnddInd*>	[0..1]	Indicator		1368
	UnattendedLevelCategory <*UattnddLvlCtgy*>	[0..1]	Text		1369
	ECommerceIndicator <*EComrcInd*>	[0..1]	Indicator		1369
	ECommerceData <*EComrcData*>	[0..*]			1369
	Type <*Tp*>	[1..1]	Text		1370
	Value <*Val*>	[1..1]	Text		1370
	MOTOIndicator <*MOTOInd*>	[0..1]	Indicator		1370
	PartialApprovalSupported <*PrtlApprvlSpprtd*>	[0..1]	Indicator		1370
	DelayedAuthorisationIndicator <*DelydAuthstnInd*>	[0..1]	Indicator		1370
	SecurityCharacteristics <*SctyChrtcs*>	[0..*]	CodeSet		1371
	OtherSecurityCharacteristics <*OthrSctyChrtcs*>	[0..1]	Text		1372
	CardDataEntryMode <*CardDataNtryMd*>	[1..1]	CodeSet		1372
	OtherCardDataEntryMode <*OthrCardDataNtryMd*>	[0..1]	Text		1373
	StorageLocation <*StorgLctn*>	[0..1]	Text		1373
	SpecialConditions <*SpclConds*>	[0..*]			1373
	Identification <*Id*>	[0..1]	Text		1373
	Value <*Val*>	[0..1]	Text		1373

44.1.18.3.1 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 1631):

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

44.1.18.3.2 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 1631):

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

44.1.18.3.3 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 1631):

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

44.1.18.3.4 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 1631):

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

44.1.18.3.5 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 1631):

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

44.1.18.3.6 UnattendedLevelCategory <UattnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended terminal.

Datatype: "Max35NumericText" on page 1640

44.1.18.3.7 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 1631):

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

44.1.18.3.8 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		1370
	Value <*Val*>	[1..1]	Text		1370

44.1.18.3.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ecommerce data (for example ,ECI level, downgrade reason, etc).

Datatype: "Max35Text" on page 1640

44.1.18.3.8.2 Value <Val>

Presence: [1..1]

Definition: Value related to a specific ecommerce type.

Datatype: "Max2048Text" on page 1638

44.1.18.3.9 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 1631):

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

44.1.18.3.10 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 1631):

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

44.1.18.3.11 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 1631):

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

44.1.18.3.12 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 1619

CodeName	Name	Definition
CETE	CardholderEndToEndEncryption	Encryption initiated by the cardholder to secure end-to-end communication channel.
CPTE	CardholderPointToPointEncryption	Encryption initiated by the cardholder to secure point-to-point communication channel.
CENC	ChannelEncryption	Encryption used to secure the communication channel.
CMAC	ChannelMAC	Usage of MAC to secure a communication channel
ETEE	EndToEndEncryption	Encryption used from one end to the other end of the communication channel.
METE	MerchantEndToEndEncryption	Encryption initiated by the merchant to secure end-to-end communication channel.
MPTE	MerchantPointToPointEncryption	Encryption initiated by the merchant to secure point-to-point communication channel.
OPNN	OpenNetwork	Open network
PMAC	PassthroughMAC	MAC used in a pass-through communication mode
PKIE	PKIEncryption	Encryption using PKI to secure the communication channel.
PRAE	PrivateAlgorithmEncryption	Encryption using a private algorithm to secure a communication channel.
PRAM	PrivateAlgorithmMAC	Private algorithm used for MAC.
PRVN	PrivateNetwork	Private network.
STAM	StandardAlgorithmMAC	Standard algorithm used for MAC

CodeName	Name	Definition
APTE	AcquirerPointToPointEncryption	Encryption initiated by the acquirer to secure point-to-point communication channel.
AETE	AcquirerEndToEndEncryption	Encryption initiated by the acquirer to secure end-to-end communication channel.
OTHN	OtherNational	Other security characteristics defined at national level
OTHP	OtherPrivate	Other security characteristics defined at private level

44.1.18.3.13 OtherSecurityCharacteristics <OthrSctyChrtcs>

Presence: [0..1]

Definition: Other security characteristics.

Datatype: "Max35Text" on page 1640

44.1.18.3.14 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 1577

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	MSIProximity	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.

44.1.18.3.15 OtherCardDataEntryMode <OthrCardDataNtryMd>

Presence: [0..1]

Definition: Other type of card data entry mode.

Datatype: "Max35Text" on page 1640

44.1.18.3.16 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of payment credential (for example, Acceptor or third party wallet).

Datatype: "Max35Text" on page 1640

44.1.18.3.17 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		1373
	Value <*Val*>	[0..1]	Text		1373

44.1.18.3.17.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the special condition.

Datatype: "Max35Text" on page 1640

44.1.18.3.17.2 Value <Val>

Presence: [0..1]

Definition: Level of the condition.

Datatype: "Max35Text" on page 1640

44.1.18.4 TerminalIdentification2

Definition: Identification of the terminal performing the transaction.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1374
	Type <*Tp*>	[0..1]	CodeSet		1374
	OtherType <*OthrTp*>	[0..1]	Text		1374
	Assigner <*Assgnr*>	[0..1]	Text		1374
	Country <*Ctry*>	[0..1]	Text		1374
	ShortName <*ShrtNm*>	[0..1]	Text		1375

44.1.18.4.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the terminal.

ISO 8583 bit 41

Datatype: "Max16Text" on page 1637

44.1.18.4.2 Type <Tp>

Presence: [0..1]

Definition: Type of terminal.

Datatype: "TerminalType1Code" on page 1622

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.

44.1.18.4.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of terminal.

Datatype: "Max35Text" on page 1640

44.1.18.4.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Assignor of the terminal identification.

Datatype: "Max35Text" on page 1640

44.1.18.4.5 Country <Ctry>

Presence: [0..1]

Definition: Country of the terminal.

Datatype: "Min2Max3AlphaText" on page 1643

44.1.18.4.6 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the terminal.

Datatype: "Max35Text" on page 1640

44.1.18.5 TerminalIdentification1

Definition: Identification of the terminal performing the transaction.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1375
	Assigner <*Assgnr*>	[0..1]	Text		1375
	Country <*Ctry*>	[0..1]	Text		1375
	ShortName <*ShrtNm*>	[0..1]	Text		1375

44.1.18.5.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the terminal.

ISO 8583 bit 41

Datatype: "Max16Text" on page 1637

44.1.18.5.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Assignor of the terminal identification.

Datatype: "Max35Text" on page 1640

44.1.18.5.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the terminal.

Datatype: "Min2Max3AlphaText" on page 1643

44.1.18.5.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the terminal.

Datatype: "Max35Text" on page 1640

44.1.18.6 Terminal2

Definition: Payment terminal or ATM performing the transaction

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376

44.1.18.6.1 TerminalIdentification <TermnlId>

Presence: [1..1]

Definition: Identification of the terminal performing the transaction.

TerminalIdentification <TermnlId> contains the following elements (see "TerminalIdentification1" on page 1375 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1375
	Assigner <*Assgnr*>	[0..1]	Text		1375
	Country <*Ctry*>	[0..1]	Text		1375
	ShortName <*ShrtNm*>	[0..1]	Text		1375

44.1.18.7 Terminal1

Definition: Payment terminal or ATM performing the transaction

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <*TermnlId*>	[1..1]	±		1376
	Type <*Tp*>	[0..1]	CodeSet		1377
	OtherType <*OthrTp*>	[0..1]	Text		1377
	Capabilities <*Cpblties*>	[0..1]	±		1377
	TerminalIntegration <*TermnlIntgtn*>	[0..1]	CodeSet		1378
	OutdoorIndicator <*OutdrInd*>	[0..1]	Indicator		1378
	OffPremisesIndicator <*OffPrmissInd*>	[0..1]	Indicator		1379
	OnBoardIndicator <*OnBrdInd*>	[0..1]	Indicator		1379
	POIComponent <*POICmpnt*>	[0..*]	±		1379

44.1.18.7.1 TerminalIdentification <TermnlId>

Presence: [1..1]

Definition: Identification of the terminal performing the transaction.

TerminalIdentification <TermnlId> contains the following elements (see "TerminalIdentification1" on page 1375 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1375
	Assigner <*Assgnr*>	[0..1]	Text		1375
	Country <*Ctry*>	[0..1]	Text		1375
	ShortName <*ShrtNm*>	[0..1]	Text		1375

44.1.18.7.2 Type <Tp>

Presence: [0..1]

Definition: Type of terminal.

Datatype: "TerminalType1Code" on page 1622

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.

44.1.18.7.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of terminal.

Datatype: "Max35Text" on page 1640

44.1.18.7.4 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the terminal

Capabilities <Cpblties> contains the following elements (see "Capabilities1" on page 1354 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	CardReadingCapability <*CardRdngCpblty*>	[0..*]	CodeSet		1355
	OtherCardReadingCapabilities <*OthrCardRdngCpblties*>	[0..*]	Text		1356
	CardWritingCapabilities <*CardWrtgCpblties*>	[0..*]	CodeSet		1356
	OtherCardWritingCapabilities <*OthrCardWrtgCpblties*>	[0..*]	Text		1356
	PINLengthCapabilities <*PINLngthCpblties*>	[0..1]	Quantity		1356
	ApprovalCodeLength <*ApprvlCdLngth*>	[0..1]	Quantity		1357
	MaxScriptLength <*MxScrptLngth*>	[0..1]	Quantity		1357
	PINPadInoperative <*PINPadInprtv*>	[0..1]	Indicator		1357
	CardCaptureCapable <*CardCaptrCpbl*>	[0..1]	Indicator		1357
	OnLineCapabilities <*OnLineCpblties*>	[0..1]	CodeSet		1358
	MessageCapabilities <*MsgCpblties*>	[0..*]			1358
	Destination <*Dstn*>	[1..1]	CodeSet		1358
	AvailableFormat <*AvlblFrmt*>	[0..*]	CodeSet		1358
	NumberOfLines <*NbOfLines*>	[0..1]	Quantity		1359
	LineWidth <*LineWidth*>	[0..1]	Quantity		1359
	AvailableLanguage <*AvlblLang*>	[0..*]	CodeSet	C3	1359
	CardholderVerificationCapability <*CrdhldrVrfctnCpblty*>	[0..*]	±		1359

44.1.18.7.5 TerminalIntegration <TermnlIntgtn>

Presence: [0..1]

Definition: Type of terminal integration at a point of service location.

Datatype: "TerminalIntegrationCategory1Code" on page 1622

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.

44.1.18.7.6 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 1631):

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

44.1.18.7.7 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 1631):

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

44.1.18.7.8 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 1631):

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

44.1.18.7.9 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 1299 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1301
	Identification <*Id*>	[1..1]			1302
	ItemNumber <*ItmNb*>	[0..1]	Text		1302
	ProviderIdentification <*PrvdrId*>	[0..1]	Text		1302
	Identification <*Id*>	[0..1]	Text		1302
	SerialNumber <*SrlNb*>	[0..1]	Text		1302
	Status <*Sts*>	[0..1]			1302
	VersionNumber <*VrsnNb*>	[0..1]	Text		1303
	Status <*Sts*>	[0..1]	CodeSet		1303
	ExpiryDate <*XpryDt*>	[0..1]	Date		1303
	StandardCompliance <*StdCmplc*>	[0..*]			1303
	Identification <*Id*>	[1..1]	Text		1303
	Version <*Vrsn*>	[1..1]	Text		1304
	Issuer <*Issr*>	[1..1]	Text		1304
	Characteristics <*Chrtcs*>	[0..1]			1304
	Memory <*Mmry*>	[0..*]			1304
	Identification <*Id*>	[1..1]	Text		1305
	TotalSize <*TtlSz*>	[1..1]	Quantity		1305
	FreeSize <*FreeSz*>	[1..1]	Quantity		1305
	Unit <*Unit*>	[1..1]	CodeSet		1305
	Communication <*Com*>	[0..*]			1305
	CommunicationType <*ComTp*>	[1..1]	CodeSet		1306
	RemoteParty <*RmotPty*>	[1..*]	CodeSet		1306
	Active <*Actv*>	[1..1]	Indicator		1307
	SecurityAccessModules <*SctyAccsMdls*>	[0..1]	Quantity		1307
	SubscriberIdentityModules <*SbcbrIdntyMdls*>	[0..1]	Quantity		1307
	SecurityElement <*SctyElmt*>	[0..*]	±		1307
	Assessment <*Assmnt*>	[0..*]			1308
	Type <*Tp*>	[1..1]	CodeSet		1308
	Assigner <*Assgnr*>	[1..*]	Text		1309

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	DeliveryDate <*DlvryDt*>	[0..1]	DateTime		1309
	ExpirationDate <*XprtnDt*>	[0..1]	DateTime		1309
	Number <*Nb*>	[1..1]	Text		1309

44.1.18.8 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		1381
	OtherCapability <*OthrCpblty*>	[0..1]	Text		1382

44.1.18.8.1 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 1578

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.

44.1.18.8.2 OtherCapability <OthrCpblty>

Presence: [0..1]

Definition: Other types of cardholder verification capabilities.

Datatype: "Max35Text" on page 1640

44.1.19 Rate

44.1.19.1 RentalRate1

Definition: Vehicle rental rate

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Period <*Prd*>	[0..1]	CodeSet		1382
	OtherPeriod <*OthrPrd*>	[0..1]	Text		1383
	Rate <*Rate*>	[0..1]	Amount		1383
	PeriodCount <*PrdCnt*>	[0..1]	Text		1383

44.1.19.1.1 Period <Prd>

Presence: [0..1]

Definition: Unit of measure used to compute the rental rate.

Datatype: "PeriodUnit3Code" on page 1611

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

44.1.19.1.2 OtherPeriod <OthrPrd>

Presence: [0..1]

Definition: Other unit of measure used to compute the rental rate.

Datatype: "Max35Text" on page 1640

44.1.19.1.3 Rate <Rate>

Presence: [0..1]

Definition: Rate applied to the vehicle rental for the specified period.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.19.1.4 PeriodCount <PrdCnt>

Presence: [0..1]

Definition: Duration of the period for which the rental rate is calculated.

Datatype: "Max4NumericText" on page 1641

44.1.20 Reconciliation

44.1.20.1 AdditionalFeeReconciliation1

Definition: Contains additional fee reconciliation data.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <*RcncltnImpct*>	[1..1]	CodeSet		1383
	Type <*Tp*>	[1..1]	CodeSet		1383
	OtherType <*OthrTp*>	[0..1]	Text		1384
	Amount <*Amt*>	[1..1]	Amount		1384
	Count <*Cnt*>	[1..1]	Quantity		1384

44.1.20.1.1 ReconciliationImpact <RcncltnImpct>

Presence: [1..1]

Definition: Reconciliation credit or debit indicator.

Datatype: "ReconciliationImpact1Code" on page 1617

CodeName	Name	Definition
DEBT	Debit	Debit category
CRDT	Credit	Credit category

44.1.20.1.2 Type <Tp>

Presence: [1..1]

Definition: contains the list of additional fee types.

Datatype: "TypeOfAmount10Code" on page 1624

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.

44.1.20.1.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other amount type defined at national or private level.

Datatype: "Max35Text" on page 1640

44.1.20.1.4 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 1552

44.1.20.1.5 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions.

Datatype: "Number" on page 1633

44.1.20.2 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		1384
	Date <*Dt*>	[0..1]	Date		1385
	CheckpointReference <*ChckptRef*>	[0..1]	Text		1385

44.1.20.2.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the reconciliation.

Datatype: "Max35Text" on page 1640

44.1.20.2.2 Date <Dt>

Presence: [0..1]

Definition: Date of the reconciliation.

ISO 8583:93/2003 bit 28

Datatype: "ISODate" on page 1631

44.1.20.2.3 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 1640

44.1.20.3 MessageReconcillation1

Definition: Contains message reconciliation data.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1385
	OtherType <*OthrTp*>	[0..1]	Text		1386
	Count <*Cnt*>	[1..1]	Quantity		1386

44.1.20.3.1 Type <Tp>

Presence: [1..1]

Definition: Contains the reconciliation message type.

Datatype: "ReconciliationMessageType1Code" on page 1617

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
FECR	FeeCollectionResponse	Fee Collection Response
FIAI	FileActionInitiation	File Action Initiation
FIAR	FileActionResponse	File Action Response
FINR	FinancialResponse	Financial Response
FINI	FinancialInitiation	Financial Initiation
FRDI	FraudDispositionInitiation	Fraud Disposition Initiation
FRDR	FraudDispositionResponse	Fraud Disposition Response

CodeName	Name	Definition
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
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

44.1.20.3.2 OtherType <OthrTp>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1640

44.1.20.3.3 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions.

Datatype: "Number" on page 1633

44.1.20.4 FinancialReconcillation1

Definition: Contains financial reconciliation data.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <*RcncltnImpct*>	[1..1]	CodeSet		1387
	Type <*Tp*>	[1..1]	CodeSet		1387
	OtherType <*OthrTp*>	[0..1]	Text		1387
	Amount <*Amt*>	[1..1]	Amount		1387
	Count <*Cnt*>	[1..1]	Quantity		1388

44.1.20.4.1 ReconciliationImpact <RcncltnImpct>

Presence: [1..1]

Definition: Reconciliation credit or debit indicator.

Datatype: "ReconciliationImpact1Code" on page 1617

CodeName	Name	Definition
DEBT	Debit	Debit category
CRDT	Credit	Credit category

44.1.20.4.2 Type <Tp>

Presence: [1..1]

Definition: Contains the reconciliation category.

Datatype: "ReconciliationCategory1Code" on page 1616

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.

44.1.20.4.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other reconciliation category defined at national or private level.

Datatype: "Max35Text" on page 1640

44.1.20.4.4 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 1552

44.1.20.4.5 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 1633

44.1.21 Reference Data

44.1.21.1 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 <*MsgClss*>	[0..1]	CodeSet		1389
	TransactionType <*TxTp*>	[0..1]	Text		1389
	AcquirerIdentification <*AcqrrId*>	[0..1]	Text		1390
	SenderIdentification <*SndrId*>	[0..1]	Text		1390
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1390
	TimeZone <*TmZone*>	[0..1]	Text		1390
	TransactionReference <*TxRef*>	[0..1]	Text		1390
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1390
	SystemTraceAuditNumber <*SysTracAudtNb*>	[0..1]	Text		1391
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1391
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1391
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1391
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1391
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1392
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1392
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1392

44.1.21.1.1 MessageClass <MsgClss>

Presence: [0..1]

Definition: Message class of the original message.

Datatype: "MessageClass1Code" on page 1598

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.

44.1.21.1.2 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 1634

44.1.21.1.3 AcquirerIdentification <AcqrrId>

Presence: [0..1]

Definition: Code identifying the acquirer of the original message.

ISO 8583 bit 32

Datatype: "Max11NumericText" on page 1636

44.1.21.1.4 SenderIdentification <SndrId>

Presence: [0..1]

Definition: Code identifying the sender of the original message.

ISO 8583 bit 33.

Datatype: "Max11NumericText" on page 1636

44.1.21.1.5 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 1631

44.1.21.1.6 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 1642

44.1.21.1.7 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 1640

44.1.21.1.8 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 1631

44.1.21.1.9 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Transaction reference of the original message.

ISO 8583 bit 11.

Datatype: "Max12NumericText" on page 1636

44.1.21.1.10 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 1633

44.1.21.1.11 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 1595

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

44.1.21.1.12 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 1392 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1392
	AuthorisationSequenceNumber <*AuthstnSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceNumber <*PresntmntSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceCount <*PresntmntSeqCnt*>	[0..1]	Text		1393
	AuthenticationToken <*AuthntcnTkn*>	[0..1]	Text		1393

44.1.21.1.13 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 1642

44.1.21.1.14 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 1637

44.1.21.1.15 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 1639

44.1.21.1.16 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 1635

44.1.21.2 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		1392
	AuthorisationSequenceNumber <*AuthstnSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceNumber <*PresntmntSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceCount <*PresntmntSeqCnt*>	[0..1]	Text		1393
	AuthenticationToken <*AuthntcnTkn*>	[0..1]	Text		1393

44.1.21.2.1 Identification <Id>

Presence: [1..1]

Definition: Unique transaction identifier.

ISO 8583:2003 bit 21-2

Datatype: "Exact15Text" on page 1633

44.1.21.2.2 AuthorisationSequenceNumber <AuthstnSeqNb>

Presence: [0..1]

Definition: Contains authorisation sequence number.

Datatype: "Exact2NumericText" on page 1634

44.1.21.2.3 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 1634

44.1.21.2.4 PresentmentSequenceCount <PresntmntSeqCnt>

Presence: [0..1]

Definition: Expected maximum number of presentments for this transaction.

Datatype: "Exact2NumericText" on page 1634

44.1.21.2.5 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 1640

44.1.21.3 TransactionIdentification8

Definition: Identification of the transaction

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1394
	TimeZone <*TmZone*>	[0..1]	Text		1394
	TransactionReference <*TxRef*>	[0..1]	Text		1394
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1394
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1395
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1395
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1395
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1395
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1396
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1396
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1396
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1396
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1396

44.1.21.3.1 LocalDateTime <LclDtTm>

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 1631

44.1.21.3.2 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 1642

44.1.21.3.3 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 1640

44.1.21.3.4 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 1631

44.1.21.3.5 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 1636

44.1.21.3.6 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 1633

44.1.21.3.7 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 1595

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

44.1.21.3.8 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 1392 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1392
	AuthorisationSequenceNumber <*AuthstnSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceNumber <*PresntmntSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceCount <*PresntmntSeqCnt*>	[0..1]	Text		1393
	AuthenticationToken <*AuthntcnTkn*>	[0..1]	Text		1393

44.1.21.3.9 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 1642

44.1.21.3.10 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 1637

44.1.21.3.11 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 1639

44.1.21.3.12 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 1635

44.1.21.3.13 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 1388 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageClass <*MsgClss*>	[0..1]	CodeSet		1389
	TransactionType <*TxTp*>	[0..1]	Text		1389
	AcquirerIdentification <*AcqrrId*>	[0..1]	Text		1390
	SenderIdentification <*SndrId*>	[0..1]	Text		1390
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1390
	TimeZone <*TmZone*>	[0..1]	Text		1390
	TransactionReference <*TxRef*>	[0..1]	Text		1390
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1390
	SystemTraceAuditNumber <*SysTracAudtNb*>	[0..1]	Text		1391
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1391
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1391
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1391
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1391
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1392
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1392
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1392

44.1.21.4 TransactionIdentification14

Definition: Identification of the transaction

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	TransactionReference <*TxRef*>	[0..1]	Text		1398
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1398
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1398
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1398
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1399
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1399
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1399
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1399
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1399

44.1.21.4.1 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 1640

44.1.21.4.2 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 1631

44.1.21.4.3 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 1636

44.1.21.4.4 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 1633

44.1.21.4.5 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 1392 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1392
	AuthorisationSequenceNumber <*AuthstnSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceNumber <*PresntmntSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceCount <*PresntmntSeqCnt*>	[0..1]	Text		1393
	AuthenticationToken <*AuthntcnTkn*>	[0..1]	Text		1393

44.1.21.4.6 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 1637

44.1.21.4.7 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 1639

44.1.21.4.8 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 1635

44.1.21.4.9 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 1388 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageClass <*MsgClss*>	[0..1]	CodeSet		1389
	TransactionType <*TxTp*>	[0..1]	Text		1389
	AcquirerIdentification <*AcqrrId*>	[0..1]	Text		1390
	SenderIdentification <*SndrId*>	[0..1]	Text		1390
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1390
	TimeZone <*TmZone*>	[0..1]	Text		1390
	TransactionReference <*TxRef*>	[0..1]	Text		1390
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1390
	SystemTraceAuditNumber <*SysTracAudtNb*>	[0..1]	Text		1391
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1391
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1391
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1391
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1391
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1392
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1392
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1392

44.1.21.5 TransactionIdentification13

Definition: Identification of the transaction

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1401
	TimeZone <*TmZone*>	[0..1]	Text		1401
	TransactionReference <*TxRef*>	[0..1]	Text		1401
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1401
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1402
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1402
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1402
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1402
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1403
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1403
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1403
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1403
	OriginalDataElements <*OrgnlDataElmts*>	[0..1]	±		1403

44.1.21.5.1 LocalDateTime <LclDtTm>

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 1631

44.1.21.5.2 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 1642

44.1.21.5.3 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 1640

44.1.21.5.4 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 1631

44.1.21.5.5 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 1636

44.1.21.5.6 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 1633

44.1.21.5.7 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 1595

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

44.1.21.5.8 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 1392 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1392
	AuthorisationSequenceNumber <*AuthstnSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceNumber <*PresntmntSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceCount <*PresntmntSeqCnt*>	[0..1]	Text		1393
	AuthenticationToken <*AuthntcnTkn*>	[0..1]	Text		1393

44.1.21.5.9 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information

Datatype: "Max70Text" on page 1642

44.1.21.5.10 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 1637

44.1.21.5.11 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 1639

44.1.21.5.12 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 1635

44.1.21.5.13 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 1388 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MessageClass <*MsgClss*>	[0..1]	CodeSet		1389
	TransactionType <*TxTp*>	[0..1]	Text		1389
	AcquirerIdentification <*AcqrrId*>	[0..1]	Text		1390
	SenderIdentification <*SndrId*>	[0..1]	Text		1390
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1390
	TimeZone <*TmZone*>	[0..1]	Text		1390
	TransactionReference <*TxRef*>	[0..1]	Text		1390
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1390
	SystemTraceAuditNumber <*SysTracAudtNb*>	[0..1]	Text		1391
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1391
	LifeCycleSupport <*LifeCyclSpprt*>	[0..1]	CodeSet		1391
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1391
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1391
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1392
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1392
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1392

44.1.21.6 TransactionIdentification12

Definition: Identification of the transaction for network management.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1404
	TransmissionDateTime <*TrnsmssnDtTm*>	[1..1]	DateTime		1405
	RetrievalReferenceNumber <*RtrvlRefNb*>	[0..1]	Text		1405
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]			1405
	Identification <*Id*>	[1..1]	Text		1405

44.1.21.6.1 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 1636

44.1.21.6.2 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 1631

44.1.21.6.3 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 1633

44.1.21.6.4 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		1405

44.1.21.6.4.1 Identification <Id>

Presence: [1..1]

Definition: Unique transaction identifier.

ISO 8583:2003 bit 21-2

Datatype: "Exact15Text" on page 1633

44.1.21.7 TransactionIdentification11

Definition: Identification of the transaction for network management.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[0..1]	DateTime		1406
	TimeZone <*TmZone*>	[0..1]	Text		1406
	TransactionReference <*TxRef*>	[0..1]	Text		1406
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1406
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1407
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1407
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1407
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1407
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1407
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1408
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1408
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1408

44.1.21.7.1 LocalDateTime <LclDtTm>

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 1631

44.1.21.7.2 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 1642

44.1.21.7.3 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 1640

44.1.21.7.4 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 1631

44.1.21.7.5 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 1636

44.1.21.7.6 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 1633

44.1.21.7.7 LifeCycleSupportIndicator <LifeCyclSpprtInd>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "Exact2NumericText" on page 1634

44.1.21.7.8 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 1392 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1392
	AuthorisationSequenceNumber <*AuthstnSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceNumber <*PresntmntSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceCount <*PresntmntSeqCnt*>	[0..1]	Text		1393
	AuthenticationToken <*AuthntcnTkn*>	[0..1]	Text		1393

44.1.21.7.9 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 1642

44.1.21.7.10 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 1643

44.1.21.7.11 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 1639

44.1.21.7.12 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 1635

44.1.21.8 TransactionIdentification10

Definition: Identification of the transaction for network management.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	LocalDateTime <*LclDtTm*>	[1..1]	DateTime		1409
	TimeZone <*TmZone*>	[0..1]	Text		1409
	TransactionReference <*TxRef*>	[0..1]	Text		1409
	TransmissionDateTime <*TrnsmssnDtTm*>	[0..1]	DateTime		1409
	SystemTraceAuditNumber <*SysTracAudtNb*>	[1..1]	Text		1410
	RetrievalReferenceNumber <*RtrvlRefNb*>	[1..1]	Text		1410
	LifeCycleSupportIndicator <*LifeCyclSpprtInd*>	[0..1]	Text		1410
	LifeCycleTraceIdentificationData <*LifeCyclTracIdData*>	[0..1]	±		1410
	LifeCycleTraceIdentificationMissing <*LifeCyclTracIdMssng*>	[0..1]	Text		1410
	AcquirerReferenceData <*AcqrrRefData*>	[0..1]	Text		1411
	AcquirerReferenceNumber <*AcqrrRefNb*>	[0..1]	Text		1411
	CardIssuerReferenceData <*CardIssrRefData*>	[0..1]	Text		1411

44.1.21.8.1 LocalDateTime <LclDtTm>

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 1631

44.1.21.8.2 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 1642

44.1.21.8.3 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 1640

44.1.21.8.4 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 1631

44.1.21.8.5 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 1636

44.1.21.8.6 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 1633

44.1.21.8.7 LifeCycleSupportIndicator <LifeCyclSpprtInd>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "Exact2NumericText" on page 1634

44.1.21.8.8 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 1392 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1392
	AuthorisationSequenceNumber <*AuthstnSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceNumber <*PresntmntSeqNb*>	[0..1]	Text		1393
	PresentmentSequenceCount <*PresntmntSeqCnt*>	[0..1]	Text		1393
	AuthenticationToken <*AuthntcnTkn*>	[0..1]	Text		1393

44.1.21.8.9 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 1642

44.1.21.8.10 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 1643

44.1.21.8.11 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 1639

44.1.21.8.12 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 1635

44.1.22 Remittance

44.1.22.1 ClaimInformation1

Definition: Information provided to claim funds

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ClaimCredentials <*ClmCrdntls*>	[0..1]	Text		1411
	Assigner <*Assgnr*>	[0..1]	Text		1411

44.1.22.1.1 ClaimCredentials <ClmCrdntls>

Presence: [0..1]

Definition: Code presented by the customer to claim funds.

Datatype: "Max500Text" on page 1641

44.1.22.1.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity issuing the claim credential.

Datatype: "Max35Text" on page 1640

44.1.22.2 TransferService1

Definition: Funds transfer service

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ServiceProvider <*SvcPrvdr*>	[0..1]	Text		1412
	ServiceName <*SvcNm*>	[0..1]	Text		1412
	Reference <*Ref*>	[0..1]	Text		1412
	BusinessPurpose <*BizPurp*>	[0..1]	Text		1412
	Description <*Desc*>	[0..1]	Text		1412

44.1.22.2.1 ServiceProvider <SvcPrvdr>

Presence: [0..1]

Definition: Identification of the funding service provider.

Datatype: "Max35Text" on page 1640

44.1.22.2.2 ServiceName <SvcNm>

Presence: [0..1]

Definition: Name of the funding service (for example, MoneyGram, Western Union, etc.).

Datatype: "Max35Text" on page 1640

44.1.22.2.3 Reference <Ref>

Presence: [0..1]

Definition: Reference to the funding service.

Datatype: "Max35Text" on page 1640

44.1.22.2.4 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 1640

44.1.22.2.5 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 1639

44.1.22.3 FundingSource2

Definition: Source of funding

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SourceType <*SrcTp*>	[0..1]	CodeSet		1413
	OtherSourceType <*OthrSrcTp*>	[0..1]	Text		1413
	Reference <*Ref*>	[0..1]	Text		1413

44.1.22.3.1 SourceType <SrcTp>

Presence: [0..1]

Definition: Type of source funding used to perform the transfer of funds.

Datatype: "FundingSourceType2Code" on page 1590

CodeName	Name	Definition
LOYL	Loyaly	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.
UVRL	Universal	Universal account.
CASH	Cash	Cash as a source type to perform the transaction.
CRDT	CreditCard	Credit card account.
CDBT	DebitCard	Debit card account.
EPRS	EpurseCard	Electronic purse card account.
DBAC	DebitAccount	Account for debiting funds.
CURR	Current	Current account.
CHQE	Cheque	Cheque
PRPD	PrePaid	Pre-paid account.
LCDT	LineOfCredit	Line of credit account.

44.1.22.3.2 OtherSourceType <OthrSrcTp>

Presence: [0..1]

Definition: Any other type of funding source used to perform the transfer of funds.

Datatype: "Max35Text" on page 1640

44.1.22.3.3 Reference <Ref>

Presence: [0..1]

Definition: Reference to the funding source.

Datatype: "Max35Text" on page 1640

44.1.22.4 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]	±		1414
	FundingSource <*FndgSrc*>	[0..1]	±		1414
	ClaimInformation <*ClmInf*>	[0..1]	±		1414

44.1.22.4.1 FundingService <FndgSvc>

Presence: [0..1]

Definition: Funding service details.

FundingService <FndgSvc> contains the following elements (see "TransferService1" on page 1412 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ServiceProvider <*SvcPrvdr*>	[0..1]	Text		1412
	ServiceName <*SvcNm*>	[0..1]	Text		1412
	Reference <*Ref*>	[0..1]	Text		1412
	BusinessPurpose <*BizPurp*>	[0..1]	Text		1412
	Description <*Desc*>	[0..1]	Text		1412

44.1.22.4.2 FundingSource <FndgSrc>

Presence: [0..1]

Definition: Source of funding.

FundingSource <FndgSrc> contains the following elements (see "FundingSource2" on page 1412 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SourceType <*SrcTp*>	[0..1]	CodeSet		1413
	OtherSourceType <*OthrSrcTp*>	[0..1]	Text		1413
	Reference <*Ref*>	[0..1]	Text		1413

44.1.22.4.3 ClaimInformation <ClmInf>

Presence: [0..1]

Definition: Information for claiming funds.

ClaimInformation <ClmInf> contains the following elements (see "ClaimInformation1" on page 1411 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ClaimCredentials <*ClmCrdntls*>	[0..1]	Text		1411
	Assigner <*Assgnr*>	[0..1]	Text		1411

44.1.23 Risk

44.1.23.1 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]			1415
	Identification <*Id*>	[0..1]	Text		1416
	Type <*Tp*>	[0..1]	CodeSet		1416
	OtherType <*OthrTp*>	[0..1]	Text		1416
	Assigner <*Assgnr*>	[0..1]	CodeSet		1416
	Country <*Ctry*>	[0..1]	CodeSet		1417
	ShortName <*ShrtNm*>	[0..1]	Text		1417
	RiskAssessmentType <*RskAssmntTp*>	[0..1]	Text		1417
	Reason <*Rsn*>	[0..*]	Text		1417
	Result <*Rslt*>	[0..1]	Text		1417
	AdditionalRiskData <*AddtlRskData*>	[0..*]			1417
	Type <*Tp*>	[1..1]	Text		1418
	Value <*Val*>	[1..1]	Text		1418
	RecommendedAction <*RcmmnddActn*>	[0..*]	CodeSet		1418
	OtherRecommendedAction <*OthrRcmmnddActn*>	[0..1]	Text		1418
	RecommendedActionDetails <*RcmmnddActnDtls*>	[0..1]	Text		1419

44.1.23.1.1 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		1416
	Type <*Tp*>	[0..1]	CodeSet		1416
	OtherType <*OthrTp*>	[0..1]	Text		1416
	Assigner <*Assgnr*>	[0..1]	CodeSet		1416
	Country <*Ctry*>	[0..1]	CodeSet		1417
	ShortName <*ShrtNm*>	[0..1]	Text		1417

44.1.23.1.1.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the party.

Datatype: "Max35Text" on page 1640

44.1.23.1.1.2 Type <Tp>

Presence: [0..1]

Definition: Type of entity.

Datatype: "PartyType28Code" on page 1609

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.

44.1.23.1.1.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other party type defined at national or private level.

Datatype: "Max35Text" on page 1640

44.1.23.1.1.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "PartyType18Code" on page 1606

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.

44.1.23.1.1.5 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Datatype: "ISO3NumericCountryCode" on page 1593

44.1.23.1.1.6 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the party.

Datatype: "Max35Text" on page 1640

44.1.23.1.2 RiskAssessmentType <RskAssmntTp>

Presence: [0..1]

Definition: Type of risk assessment.

Datatype: "Max35Text" on page 1640

44.1.23.1.3 Reason <Rsn>

Presence: [0..*]

Definition: Reason for indicating a certain level of risk for the transaction.

Datatype: "Max35Text" on page 1640

44.1.23.1.4 Result <Rslt>

Presence: [0..1]

Definition: Risk assessment result.

Datatype: "Max35Text" on page 1640

44.1.23.1.5 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		1418
	Value <*Val*>	[1..1]	Text		1418

44.1.23.1.5.1 Type <Tp>

Presence: [1..1]

Definition: Identification of the additional risk data type related to the transaction.

Datatype: "Max35Text" on page 1640

44.1.23.1.5.2 Value <Val>

Presence: [1..1]

Definition: Data value of the additional risk data associated with the transaction.

Datatype: "Max10KText" on page 1636

44.1.23.1.6 RecommendedAction <RcmmnddActn>

Presence: [0..*]

Definition: Recommended action based on risk assessment.

Datatype: "ActionType8Code" on page 1556

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)

44.1.23.1.7 OtherRecommendedAction <OthrRcmmnddActn>

Presence: [0..1]

Definition: Other recommended action based on risk assessment defined at national or private level.

Datatype: "Max35Text" on page 1640

44.1.23.1.8 RecommendedActionDetails <RcmmnddActnDtls>

Presence: [0..1]

Definition: Additional details of recommended action or other recommended action.

Datatype: "Max256Text" on page 1639

44.1.23.2 RiskInputData1

Definition: Additional data to be considered for risk assessment.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Entity <*Ntty*>	[0..1]			1419
	Type <*Tp*>	[0..1]	CodeSet		1419
	OtherType <*OthrTp*>	[0..1]	Text		1420
	Type <*Tp*>	[1..1]	Text		1420
	Value <*Val*>	[1..1]	Text		1420

44.1.23.2.1 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		1419
	OtherType <*OthrTp*>	[0..1]	Text		1420

44.1.23.2.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of entity providing data for risk assessment.

Datatype: "PartyType28Code" on page 1609

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.

44.1.23.2.1.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of entity providing risk assessment data.

Datatype: "Max35Text" on page 1640

44.1.23.2.2 Type <Tp>

Presence: [1..1]

Definition: Identifies the type of risk assessment associated with the input data in the message.

Datatype: "Max35Text" on page 1640

44.1.23.2.3 Value <Val>

Presence: [1..1]

Definition: Value of input data for risk assessment.

Datatype: "Max10KText" on page 1636

44.1.23.3 RiskContext1

Definition: Context of the risk associated with the transaction.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskInputData <*RskInptData*>	[0..*]	±		1420
	RiskAssessment <*RskAssmnt*>	[0..*]	±		1421

44.1.23.3.1 RiskInputData <RskInptData>

Presence: [0..*]

Definition: Input data to be considered in a risk assessment.

RiskInputData <RskInptData> contains the following elements (see "RiskInputData1" on page 1419 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Entity <*Ntty*>	[0..1]			1419
	Type <*Tp*>	[0..1]	CodeSet		1419
	OtherType <*OthrTp*>	[0..1]	Text		1420
	Type <*Tp*>	[1..1]	Text		1420
	Value <*Val*>	[1..1]	Text		1420

44.1.23.3.2 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 1415 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	RiskAssessmentEntity <*RskAssmntNtty*>	[0..1]			1415
	Identification <*Id*>	[0..1]	Text		1416
	Type <*Tp*>	[0..1]	CodeSet		1416
	OtherType <*OthrTp*>	[0..1]	Text		1416
	Assigner <*Assgnr*>	[0..1]	CodeSet		1416
	Country <*Ctry*>	[0..1]	CodeSet		1417
	ShortName <*ShrtNm*>	[0..1]	Text		1417
	RiskAssessmentType <*RskAssmntTp*>	[0..1]	Text		1417
	Reason <*Rsn*>	[0..*]	Text		1417
	Result <*Rslt*>	[0..1]	Text		1417
	AdditionalRiskData <*AddtlRskData*>	[0..*]			1417
	Type <*Tp*>	[1..1]	Text		1418
	Value <*Val*>	[1..1]	Text		1418
	RecommendedAction <*RcmmnddActn*>	[0..*]	CodeSet		1418
	OtherRecommendedAction <*OthrRcmmnddActn*>	[0..1]	Text		1418
	RecommendedActionDetails <*RcmmnddActnDtls*>	[0..1]	Text		1419

44.1.24 Secure Element

44.1.24.1 CryptographicKey13

Definition: Cryptographic Key.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[1..1]	Text		1422
	AdditionalIdentification <*AddtlId*>	[0..1]	Binary		1422
	Version <*Vrsn*>	[1..1]	Text		1422
	Type <*Tp*>	[0..1]	CodeSet		1422
	Function <*Fctn*>	[0..*]	CodeSet		1423
	ActivationDate <*ActvtnDt*>	[0..1]	DateTime		1424
	DeactivationDate <*DeactvtnDt*>	[0..1]	DateTime		1424
	KeyValue <*KeyVal*>	[0..1]	±		1424
	KeyCheckValue <*KeyChckVal*>	[0..1]	Binary		1424
	AdditionalManagementInformation <*AddtlMgmtInf*>	[0..*]			1424
	Name <*Nm*>	[1..1]	Text		1425
	Value <*Val*>	[0..1]	Text		1425

44.1.24.1.1 Identification <Id>

Presence: [1..1]

Definition: Name of the cryptographic key.

Datatype: "Max140Text" on page 1637

44.1.24.1.2 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 1553

44.1.24.1.3 Version <Vrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: "Max256Text" on page 1639

44.1.24.1.4 Type <Tp>

Presence: [0..1]

Definition: Type of algorithm used by the cryptographic key.

Datatype: "CryptographicKeyType3Code" on page 1583

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).

44.1.24.1.5 Function <Fctn>

Presence: [0..*]

Definition: Allowed usage of the key.

Datatype: "KeyUsage1Code" on page 1594

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.

44.1.24.1.6 ActivationDate <ActvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be activated.

Datatype: "ISODateTime" on page 1631

44.1.24.1.7 DeactivationDate <DeactvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be deactivated.

Datatype: "ISODateTime" on page 1631

44.1.24.1.8 KeyValue <KeyVal>

Presence: [0..1]

Definition: Encrypted cryptographic key.

KeyValue <KeyVal> contains the following elements (see "ContentInformationType19" on page 1462 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1462
	EnvelopedData <*EnvlpdData*>	[0..1]	±		1463
	AuthenticatedData <*AuthntcdData*>	[0..1]	±		1463
	SignedData <*SgndData*>	[0..1]	±		1464
	DigestedData <*DgstdData*>	[0..1]	±		1464

44.1.24.1.9 KeyCheckValue <KeyChckVal>

Presence: [0..1]

Definition: Value for checking a cryptographic key security parameter.

Datatype: "Max35Binary" on page 1553

44.1.24.1.10 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		1425
	Value <*Val*>	[0..1]	Text		1425

44.1.24.1.10.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1642

44.1.24.1.10.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1637

44.1.24.2 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]			1426
	Version <*Vrsn*>	[0..1]	Quantity		1427
	RecipientIdentification <*RcptId*>	[1..1]			1427
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1427
	Issuer <*Issr*>	[1..1]			1428
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1428
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1428
	AttributeValue <*AttrVal*>	[1..1]	Text		1429
	SerialNumber <*SrlNb*>	[1..1]	Binary		1429
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1429
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]	±		1429
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1430
Or	KEK <*KEK*>	[1..1]			1430
	Version <*Vrsn*>	[0..1]	Quantity		1430
	KEKIdentification <*KEKId*>	[1..1]	±		1430
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]	±		1431
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1431
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1431

44.1.24.2.1 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		1427
	RecipientIdentification <*RcptId*>	[1..1]			1427
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1427
	Issuer <*Issr*>	[1..1]			1428
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1428
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1428
	AttributeValue <*AttrVal*>	[1..1]	Text		1429
	SerialNumber <*SrlNb*>	[1..1]	Binary		1429
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1429
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]	±		1429
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1430

44.1.24.2.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1633

44.1.24.2.1.2 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]			1427
	Issuer <*Issr*>	[1..1]			1428
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1428
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1428
	AttributeValue <*AttrVal*>	[1..1]	Text		1429
	SerialNumber <*SrlNb*>	[1..1]	Binary		1429
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1429

44.1.24.2.1.2.1 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]			1428
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1428
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1428
	AttributeValue <*AttrVal*>	[1..1]	Text		1429
	SerialNumber <*SrlNb*>	[1..1]	Binary		1429

44.1.24.2.1.2.1.1 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..*]			1428
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1428
	AttributeValue <*AttrVal*>	[1..1]	Text		1429

44.1.24.2.1.2.1.1.1 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		1428
	AttributeValue <*AttrVal*>	[1..1]	Text		1429

44.1.24.2.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1572

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).

44.1.24.2.1.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1637

44.1.24.2.1.2.1.2 SerialNumber <SrlNb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max35Binary" on page 1553

44.1.24.2.1.2.2 KeyIdentifier <KeyIdr>

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 973 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyIdentification <*KeyId*>	[1..1]	Text		973
	KeyVersion <*KeyVrsn*>	[1..1]	Text		974
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		974
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		974

44.1.24.2.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification19" on page 1446 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1447
	Parameter <*Param*>	[0..1]			1447
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1447
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1448
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]	±		1448

44.1.24.2.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 1554

44.1.24.2.2 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		1430
	KEKIdentification <*KEKId*>	[1..1]	±		1430
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]	±		1431
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1431

44.1.24.2.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1633

44.1.24.2.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following elements (see "KEKIdentifier2" on page 973 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyIdentification <*KeyId*>	[1..1]	Text		973
	KeyVersion <*KeyVrsn*>	[1..1]	Text		974
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		974
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		974

44.1.24.2.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification23" on page 1435 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1435
	Parameter <*Param*>	[0..1]			1437
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1437
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1437
	BytePadding <*BPddg*>	[0..1]	CodeSet		1438

44.1.24.2.2.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max500Binary" on page 1554

44.1.24.2.3 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 973 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyIdentification <*KeyId*>	[1..1]	Text		973
	KeyVersion <*KeyVrsn*>	[1..1]	Text		974
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		974
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		974

44.1.24.3 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		1432
	Parameter <*Param*>	[0..1]			1434
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1434
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1434
	BytePadding <*BPddg*>	[0..1]	CodeSet		1434

44.1.24.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the encryption algorithm.

Datatype: "Algorithm18Code" on page 1567

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).

44.1.24.3.2 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		1434
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1434
	BytePadding <*BPddg*>	[0..1]	CodeSet		1434

44.1.24.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1586

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.

44.1.24.3.2.2 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1554

44.1.24.3.2.3 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 1576

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.

44.1.24.4 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		1435
	Parameter <*Param*>	[0..1]			1437
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1437
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1437
	BytePadding <*BPddg*>	[0..1]	CodeSet		1438

44.1.24.4.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm18Code" on page 1567

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).

44.1.24.4.2 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		1437
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1437
	BytePadding <*BPddg*>	[0..1]	CodeSet		1438

44.1.24.4.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1586

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.

44.1.24.4.2.2 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1554

44.1.24.4.2.3 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 1576

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.

44.1.24.5 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		1438
	Parameter <*Param*>	[0..1]			1441
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1441
	BytePadding <*BPddg*>	[0..1]	CodeSet		1441

44.1.24.5.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the MAC algorithm.

Datatype: "Algorithm17Code" on page 1564

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).

44.1.24.5.2 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		1441
	BytePadding <*BPddg*>	[0..1]	CodeSet		1441

44.1.24.5.2.1 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1554

44.1.24.5.2.2 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 1576

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.

44.1.24.6 AlgorithmIdentification21

Definition: Cryptographic algorithm and parameters of digests.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1441

44.1.24.6.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 1564

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).

44.1.24.7 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		1443
	Parameter <*Param*>	[0..1]			1444
	DigestAlgorithm <*DgstAlgo*>	[1..1]	CodeSet		1444
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[1..1]			1445
	Algorithm <*Algo*>	[1..1]	CodeSet		1445
	Parameter <*Param*>	[0..1]			1446
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1446
	SaltLength <*SaltLngth*>	[1..1]	Quantity		1446
	TrailerField <*TrlrFld*>	[0..1]	Quantity		1446

44.1.24.7.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm19Code" on page 1569

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	EllipticCryptographicCurveFifthAlgortihm	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).

44.1.24.7.2 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		1444
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[1..1]			1445
	Algorithm <*Algo*>	[1..1]	CodeSet		1445
	Parameter <*Param*>	[0..1]			1446
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1446
	SaltLength <*SaltLngth*>	[1..1]	Quantity		1446
	TrailerField <*TrlrFld*>	[0..1]	Quantity		1446

44.1.24.7.2.1 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 1564

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).

44.1.24.7.2.2 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		1445
	Parameter <*Param*>	[0..1]			1446
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1446

44.1.24.7.2.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 1572

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).

44.1.24.7.2.2.2 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		1446

44.1.24.7.2.2.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm11Code" on page 1562

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).

44.1.24.7.2.3 SaltLength <SaltLngth>

Presence: [1..1]

Definition: Length of the salt to include in the signature.

Datatype: "Number" on page 1633

44.1.24.7.2.4 TrailerField <TrlrFld>

Presence: [0..1]

Definition: Trailer field number.

Datatype: "Number" on page 1633

44.1.24.8 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		1447
	Parameter <*Param*>	[0..1]			1447
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1447
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1448
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]	±		1448

44.1.24.8.1 Algorithm <Algo>

Presence: [1..1]

Definition: Asymmetric encryption algorithm of a transport key.

Datatype: "Algorithm7Code" on page 1571

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).

44.1.24.8.2 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		1447
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1448
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]	±		1448

44.1.24.8.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1586

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.

44.1.24.8.2.2 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 1564

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).

44.1.24.8.2.3 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following elements (see "AlgorithmIdentification18" on page 1449 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1449
	Parameter <*Param*>	[0..1]			1449
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1449

44.1.24.9 AlgorithmIdentification18

Definition: Mask generator function cryptographic algorithm and parameters.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1449
	Parameter <*Param*>	[0..1]			1449
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1449

44.1.24.9.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 1572

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).

44.1.24.9.2 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		1449

44.1.24.9.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm16Code" on page 1564

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).

44.1.24.10 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		1450
	Recipient <*Rcpt*>	[1..*]	±		1450
	MACAlgorithm <*MACAlgo*>	[1..1]	±		1451
	EncapsulatedContent <*NcpsltdCntt*>	[1..1]	±		1452
	MAC <*MAC*>	[1..1]	Binary		1452

44.1.24.10.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1633

44.1.24.10.2 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 1425 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1426
	Version <*Vrsn*>	[0..1]	Quantity		1427
	RecipientIdentification <*RcptId*>	[1..1]			1427
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1427
	Issuer <*Issr*>	[1..1]			1428
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1428
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1428
	AttributeValue <*AttrVal*>	[1..1]	Text		1429
	SerialNumber <*SrlNb*>	[1..1]	Binary		1429
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1429
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]	±		1429
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1430
Or	KEK <*KEK*>	[1..1]			1430
	Version <*Vrsn*>	[0..1]	Quantity		1430
	KEKIdentification <*KEKId*>	[1..1]	±		1430
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]	±		1431
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1431
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1431

44.1.24.10.3 MACAlgorithm <MACAlgo>

Presence: [1..1]

Definition: Algorithm to compute message authentication code (MAC).

MACAlgorithm <MACAlgo> contains the following elements (see "AlgorithmIdentification22" on page 1438 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1438
	Parameter <*Param*>	[0..1]			1441
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1441
	BytePadding <*BPddg*>	[0..1]	CodeSet		1441

44.1.24.10.4 EncapsulatedContent <NcpsltdCntt>

Presence: [1..1]

Definition: Data to authenticate.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "EncapsulatedContent3" on page 1309 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1309
	Content <*Cntt*>	[0..1]	Binary		1310

44.1.24.10.5 MAC <MAC>

Presence: [1..1]

Definition: Message authentication code value.

Datatype: "Max140Binary" on page 1553

44.1.24.11 EnvelopedData5

Definition: Encrypted data with encryption key.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Version <*Vrsn*>	[0..1]	Quantity		1452
	OriginatorInformation <*OrgtrInf*>	[0..1]			1452
	Certificate <*Cert*>	[0..*]	Binary		1453
	Recipient <*Rcpt*>	[1..*]	±		1453
	EncryptedContent <*NcrptdCntt*>	[0..1]			1454
	ContentType <*CnttTp*>	[1..1]	CodeSet		1454
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[0..1]	±		1454
	EncryptedData <*NcrptdData*>	[1..1]	Binary		1455

44.1.24.11.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1633

44.1.24.11.2 OriginatorInformation <OrgtrInf>

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		1453

44.1.24.11.2.1 Certificate <Cert>

Presence: [0..*]

Definition: It may contain originator certificates associated with several different key management algorithms.

Datatype: "Max5000Binary" on page 1554

44.1.24.11.3 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 1425 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1426
	Version <*Vrsn*>	[0..1]	Quantity		1427
	RecipientIdentification <*RcptId*>	[1..1]			1427
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1427
	Issuer <*Issr*>	[1..1]			1428
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1428
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1428
	AttributeValue <*AttrVal*>	[1..1]	Text		1429
	SerialNumber <*SrlNb*>	[1..1]	Binary		1429
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1429
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]	±		1429
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1430
Or	KEK <*KEK*>	[1..1]			1430
	Version <*Vrsn*>	[0..1]	Quantity		1430
	KEKIdentification <*KEKId*>	[1..1]	±		1430
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]	±		1431
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1431
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1431

44.1.24.11.4 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		1454
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[0..1]	±		1454
	EncryptedData <*NcrptdData*>	[1..1]	Binary		1455

44.1.24.11.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been encrypted.

Datatype: "ContentType2Code" on page 1582

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).

44.1.24.11.4.2 ContentEncryptionAlgorithm <CnttNcrptnAlgo>

Presence: [0..1]

Definition: Algorithm used to encrypt the data.

ContentEncryptionAlgorithm <CnttNcrptnAlgo> contains the following elements (see "AlgorithmIdentification24" on page 1432 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1432
	Parameter <*Param*>	[0..1]			1434
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1434
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1434
	BytePadding <*BPddg*>	[0..1]	CodeSet		1434

44.1.24.11.4.3 EncryptedData <NcrptdData>

Presence: [1..1]

Definition: Encrypted data, result of the content encryption.

Datatype: "Max100KBinary" on page 1553

44.1.24.12 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		1455
	DigestAlgorithm <*DgstAlgo*>	[0..*]	±		1456
	EncapsulatedContent <*NcpsltdCntt*>	[0..1]	±		1456
	Certificate <*Cert*>	[0..*]	Binary		1456
	Signer <*Sgnr*>	[0..*]			1456
	Version <*Vrsn*>	[0..1]	Quantity		1457
	SignerIdentification <*SgnrId*>	[0..1]			1457
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1458
	Issuer <*Issr*>	[1..1]			1458
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1458
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1459
	AttributeValue <*AttrVal*>	[1..1]	Text		1459
	SerialNumber <*SrlNb*>	[1..1]	Binary		1459
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1459
	DigestAlgorithm <*DgstAlgo*>	[1..1]	±		1460
	SignedAttributes <*SgndAttrbts*>	[0..*]			1460
	Name <*Nm*>	[1..1]	Text		1460
	Value <*Val*>	[0..1]	Text		1460
	SignatureAlgorithm <*SgntrAlgo*>	[1..1]	±		1460
	Signature <*Sgntr*>	[1..1]	Binary		1461

44.1.24.12.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1633

44.1.24.12.2 DigestAlgorithm <DgstAlgo>

Presence: [0..*]

Definition: Identification of digest algorithm applied before signature.

DigestAlgorithm <DgstAlgo> contains the following elements (see "AlgorithmIdentification21" on page 1441 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1441

44.1.24.12.3 EncapsulatedContent <NcpsltdCntt>

Presence: [0..1]

Definition: Data to sign.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "EncapsulatedContent3" on page 1309 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1309
	Content <*Cntt*>	[0..1]	Binary		1310

44.1.24.12.4 Certificate <Cert>

Presence: [0..*]

Definition: Chain of X.509 certificates.

Datatype: "Max5000Binary" on page 1554

44.1.24.12.5 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		1457
	SignerIdentification <*SgnrId*>	[0..1]			1457
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1458
	Issuer <*Issr*>	[1..1]			1458
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1458
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1459
	AttributeValue <*AttrVal*>	[1..1]	Text		1459
	SerialNumber <*SrlNb*>	[1..1]	Binary		1459
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1459
	DigestAlgorithm <*DgstAlgo*>	[1..1]	±		1460
	SignedAttributes <*SgndAttrbts*>	[0..*]			1460
	Name <*Nm*>	[1..1]	Text		1460
	Value <*Val*>	[0..1]	Text		1460
	SignatureAlgorithm <*SgntrAlgo*>	[1..1]	±		1460
	Signature <*Sgntr*>	[1..1]	Binary		1461

44.1.24.12.5.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the Cryptographic Message Syntax (CMS) data structure.

Datatype: "Number" on page 1633

44.1.24.12.5.2 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]			1458
	Issuer <*Issr*>	[1..1]			1458
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1458
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1459
	AttributeValue <*AttrVal*>	[1..1]	Text		1459
	SerialNumber <*SrlNb*>	[1..1]	Binary		1459
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1459

44.1.24.12.5.2.1 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]			1458
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1458
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1459
	AttributeValue <*AttrVal*>	[1..1]	Text		1459
	SerialNumber <*SrlNb*>	[1..1]	Binary		1459

44.1.24.12.5.2.1.1 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..*]			1458
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1459
	AttributeValue <*AttrVal*>	[1..1]	Text		1459

44.1.24.12.5.2.1.1.1 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		1459
	AttributeValue <*AttrVal*>	[1..1]	Text		1459

44.1.24.12.5.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1572

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).

44.1.24.12.5.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1637

44.1.24.12.5.2.1.2 SerialNumber <SrlNb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max35Binary" on page 1553

44.1.24.12.5.2.2 KeyIdentifier <KeyIdr>

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 973 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyIdentification <*KeyId*>	[1..1]	Text		973
	KeyVersion <*KeyVrsn*>	[1..1]	Text		974
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		974
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		974

44.1.24.12.5.3 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 1441 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1441

44.1.24.12.5.4 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		1460
	Value <*Val*>	[0..1]	Text		1460

44.1.24.12.5.4.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1642

44.1.24.12.5.4.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1637

44.1.24.12.5.5 SignatureAlgorithm <SgntrAlgo>

Presence: [1..1]

Definition: Cryptographic digital signature algorithm.

SignatureAlgorithm <SgntrAlgo> contains the following elements (see "AlgorithmIdentification20" on page 1442 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1443
	Parameter <*Param*>	[0..1]			1444
	DigestAlgorithm <*DgstAlgo*>	[1..1]	CodeSet		1444
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[1..1]			1445
	Algorithm <*Algo*>	[1..1]	CodeSet		1445
	Parameter <*Param*>	[0..1]			1446
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1446
	SaltLength <*SaltLngth*>	[1..1]	Quantity		1446
	TrailerField <*TrlrFld*>	[0..1]	Quantity		1446

44.1.24.12.5.6 Signature <Sgntr>

Presence: [1..1]

Definition: Digital signature.

Datatype: "Max3000Binary" on page 1553

44.1.24.13 DigestedData5

Definition: Digest computed on the identified data.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Version <*Vrsn*>	[0..1]	Quantity		1461
	DigestAlgorithm <*DgstAlgo*>	[1..1]	±		1461
	EncapsulatedContent <*NcpsltdCntt*>	[1..1]	±		1462
	Digest <*Dgst*>	[1..1]	Binary		1462

44.1.24.13.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1633

44.1.24.13.2 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

DigestAlgorithm <DgstAlgo> contains the following elements (see "AlgorithmIdentification21" on page 1441 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Algorithm <*Algo*>	[1..1]	CodeSet		1441

44.1.24.13.3 EncapsulatedContent <NcpsItdCntt>

Presence: [1..1]

Definition: Data on which the digest is computed.

EncapsulatedContent <NcpsItdCntt> contains the following elements (see "EncapsulatedContent3" on page 1309 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1309
	Content <*Cntt*>	[0..1]	Binary		1310

44.1.24.13.4 Digest <Dgst>

Presence: [1..1]

Definition: Result of data-digesting process.

Datatype: "Max140Binary" on page 1553

44.1.24.14 ContentInformationType19

Definition: General cryptographic message syntax (CMS) containing protected data.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ContentType <*CnttTp*>	[1..1]	CodeSet		1462
	EnvelopedData <*EnvlpdData*>	[0..1]	±		1463
	AuthenticatedData <*AuthntcdData*>	[0..1]	±		1463
	SignedData <*SgndData*>	[0..1]	±		1464
	DigestedData <*DgstdData*>	[0..1]	±		1464

44.1.24.14.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1582

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).

44.1.24.14.2 EnvelopedData <EnvlpdData>

Presence: [0..1]

Definition: Data protection by encryption, with a session key.

EnvelopedData <EnvlpdData> contains the following elements (see "EnvelopedData5" on page 1452 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Version <*Vrsn*>	[0..1]	Quantity		1452
	OriginatorInformation <*OrgtrInf*>	[0..1]			1452
	Certificate <*Cert*>	[0..*]	Binary		1453
	Recipient <*Rcpt*>	[1..*]	±		1453
	EncryptedContent <*NcrptdCntt*>	[0..1]			1454
	ContentType <*CnttTp*>	[1..1]	CodeSet		1454
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[0..1]	±		1454
	EncryptedData <*NcrptdData*>	[1..1]	Binary		1455

44.1.24.14.3 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData5" on page 1450 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Version <*Vrsn*>	[0..1]	Quantity		1450
	Recipient <*Rcpt*>	[1..*]	±		1450
	MACAlgorithm <*MACAlgo*>	[1..1]	±		1451
	EncapsulatedContent <*NcpsltdCntt*>	[1..1]	±		1452
	MAC <*MAC*>	[1..1]	Binary		1452

44.1.24.14.4 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData5" on page 1455 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Version <*Vrsn*>	[0..1]	Quantity		1455
	DigestAlgorithm <*DgstAlgo*>	[0..*]	±		1456
	EncapsulatedContent <*NcpsltdCntt*>	[0..1]	±		1456
	Certificate <*Cert*>	[0..*]	Binary		1456
	Signer <*Sgnr*>	[0..*]			1456
	Version <*Vrsn*>	[0..1]	Quantity		1457
	SignerIdentification <*SgnrId*>	[0..1]			1457
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1458
	Issuer <*Issr*>	[1..1]			1458
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1458
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1459
	AttributeValue <*AttrVal*>	[1..1]	Text		1459
	SerialNumber <*SrlNb*>	[1..1]	Binary		1459
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1459
	DigestAlgorithm <*DgstAlgo*>	[1..1]	±		1460
	SignedAttributes <*SgndAttrbts*>	[0..*]			1460
	Name <*Nm*>	[1..1]	Text		1460
	Value <*Val*>	[0..1]	Text		1460
	SignatureAlgorithm <*SgntrAlgo*>	[1..1]	±		1460
	Signature <*Sgntr*>	[1..1]	Binary		1461

44.1.24.14.5 DigestedData <DgstdData>

Presence: [0..1]

Definition: Data protected by a digest.

DigestedData <DgstdData> contains the following elements (see "DigestedData5" on page 1461 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Version <*Vrsn*>	[0..1]	Quantity		1461
	DigestAlgorithm <*DgstAlgo*>	[1..1]	±		1461
	EncapsulatedContent <*NcpsltdCntt*>	[1..1]	±		1462
	Digest <*Dgst*>	[1..1]	Binary		1462

44.1.25 Security

44.1.25.1 ContentInformationType20

Definition: General cryptographic message syntax (CMS) containing encrypted data.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	MACData <*MACData*>	[1..1]			1465
	Control <*Ctrl*>	[1..1]	Text		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467
	MAC <*MAC*>	[1..1]	Text		1468

44.1.25.1.1 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		1466
	KeySetIdentifier <*KeySetIdr*>	[1..1]	Text		1466
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1466
	Algorithm <*Algo*>	[1..1]	Text		1467
	KeyLength <*KeyLngth*>	[0..1]	Text		1467
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1467
	KeyIndex <*KeyIndx*>	[0..1]	Text		1467
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1467
	InitialisationVector <*InitlstnVctr*>	[0..1]	Text		1467

44.1.25.1.1.1 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 1634

44.1.25.1.1.2 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 1643

44.1.25.1.1.3 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 1639

44.1.25.1.1.4 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 1639

44.1.25.1.1.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 1641

44.1.25.1.1.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 1639

44.1.25.1.1.7 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 1641

44.1.25.1.1.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used for MAC.

ISO 13492

Datatype: "Max2NumericText" on page 1639

44.1.25.1.1.9 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector for CBC.

ISO 13492

Binary, lengths of 8, 16 or 32

Datatype: "Max32HexBinaryText" on page 1639

44.1.25.1.2 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 1642

44.1.25.2 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		1471
	EnvelopedData <*EnvlpdData*>	[0..1]			1471
	Version <*Vrsn*>	[0..1]	Quantity		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481
	Algorithm <*Algo*>	[1..1]	CodeSet		1482

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490
	EncryptedData <*NcrptdData*>	[0..1]			1490
	Control <*Ctrl*>	[0..1]	Text		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492
	KeyLength <*KeyLngth*>	[0..1]	Text		1492

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

44.1.25.2.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType3Code" on page 1582

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.

44.1.25.2.2 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		1473
	Recipient <*Rcpt*>	[1..*]			1473
{Or	KeyTransport <*KeyTrnsprt*>	[1..1]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485
	EncryptedContent <*NcrptdCntt*>	[0..1]			1485
	ContentType <*CnttTp*>	[1..1]	CodeSet		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490

44.1.25.2.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1633

44.1.25.2.2.2 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]			1475
	Version <*Vrsn*>	[0..1]	Quantity		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480
Or	KEK <*KEK*>	[1..1]			1480
	Version <*Vrsn*>	[0..1]	Quantity		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484
Or}	KeyIdentifier <*KeyIdr*>	[1..1]			1484
	KeyIdentification <*KeyId*>	[1..1]	Text		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485

44.1.25.2.2.2.1 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		1475
	RecipientIdentification <*RcptId*>	[1..1]			1476
{Or	IssuerAndSerialNumber <*IssrAndSrlNb*>	[1..1]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1478
	Algorithm <*Algo*>	[1..1]	CodeSet		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480
	EncryptedKey <*NcrptdKey*>	[1..1]	Binary		1480

44.1.25.2.2.2.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1633

44.1.25.2.2.2.1.2 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]			1476
	Issuer <*Issr*>	[1..1]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477
Or}	KeyIdentifier <*KeyIdr*>	[1..1]	±		1477

44.1.25.2.2.2.1.2.1 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]			1476
	RelativeDistinguishedName <*RltvDstngshdNm*>	[1..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477
	SerialNumber <*SrlNb*>	[1..1]	Binary		1477

44.1.25.2.2.2.1.2.1.1 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..*]			1477
	AttributeType <*AttrTp*>	[1..1]	CodeSet		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477

44.1.25.2.2.2.1.2.1.1.1 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		1477
	AttributeValue <*AttrVal*>	[1..1]	Text		1477

44.1.25.2.2.2.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1572

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).

44.1.25.2.2.2.1.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1637

44.1.25.2.2.2.1.2.1.2 SerialNumber <SrlNb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max35Binary" on page 1553

44.1.25.2.2.2.1.2.2 KeyIdentifier <KeyIdr>

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 973 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	KeyIdentification <*KeyId*>	[1..1]	Text		973
	KeyVersion <*KeyVrsn*>	[1..1]	Text		974
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		974
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		974

44.1.25.2.2.2.1.3 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		1478
	Parameter <*Param*>	[0..1]			1478
	DigestAlgorithm <*DgstAlgo*>	[0..1]	CodeSet		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480

44.1.25.2.2.2.1.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Asymmetric encryption algorithm of a transport key.

Datatype: "Algorithm7Code" on page 1571

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).

44.1.25.2.2.2.1.3.2 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		1479
	MaskGeneratorAlgorithm <*MskGnrtrAlgo*>	[0..1]			1479
	Algorithm <*Algo*>	[1..1]	CodeSet		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480

44.1.25.2.2.2.1.3.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm20Code" on page 1569

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).

44.1.25.2.2.2.1.3.2.2 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		1479
	Parameter <*Param*>	[0..1]	CodeSet		1480

44.1.25.2.2.2.1.3.2.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 1572

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).

44.1.25.2.2.2.1.3.2.2.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm

Datatype: "Algorithm5Code" on page 1571

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).

44.1.25.2.2.2.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 1554

44.1.25.2.2.2.2 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		1481
	KEKIdentification <*KEKId*>	[1..1]			1481
	KeyIdentification <*KeyId*>	[1..1]	Text		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481
	KeyEncryptionAlgorithm <*KeyNcrptnAlgo*>	[1..1]			1481
	Algorithm <*Algo*>	[1..1]	CodeSet		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483
	EncryptedKey <*NcrptdKey*>	[0..1]	Binary		1484

44.1.25.2.2.2.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1633

44.1.25.2.2.2.2.2 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		1481
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1481
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1481
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1481

44.1.25.2.2.2.2.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 1637

44.1.25.2.2.2.2.2 KeyVersion <KeyVrsn>

Presence: [0..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 1637

44.1.25.2.2.2.2.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: "Number" on page 1633

44.1.25.2.2.2.2.4 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 1554

44.1.25.2.2.2.3 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		1482
	Parameter <*Param*>	[0..1]			1483
	EncryptionFormat <*NcrptnFrmt*>	[0..1]	CodeSet		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483

44.1.25.2.2.2.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm13Code" on page 1563

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).

44.1.25.2.2.2.2.3.2 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		1483
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1483
	BytePadding <*BPddg*>	[0..1]	CodeSet		1483

44.1.25.2.2.2.2.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat3Code" on page 1586

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

44.1.25.2.2.2.2.3.2.2 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1554

44.1.25.2.2.2.2.3.2.3 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 1576

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.

44.1.25.2.2.2.2.4 EncryptedKey <NcrptdKey>

Presence: [0..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max500Binary" on page 1554

44.1.25.2.2.2.3 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		1484
	KeyVersion <*KeyVrsn*>	[0..1]	Text		1484
	SequenceNumber <*SeqNb*>	[0..1]	Quantity		1485
	DerivationIdentification <*DerivtnId*>	[0..1]	Binary		1485

44.1.25.2.2.2.3.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 1637

44.1.25.2.2.2.3.2 KeyVersion <KeyVrsn>

Presence: [0..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 1637

44.1.25.2.2.2.3.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: "Number" on page 1633

44.1.25.2.2.2.3.4 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 1554

44.1.25.2.2.3 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		1485
	ContentEncryptionAlgorithm <*CnttNcrptnAlgo*>	[1..1]			1486
	Algorithm <*Algo*>	[1..1]	CodeSet		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1488
	Identification <*Id*>	[0..1]	CodeSet		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490

44.1.25.2.2.3.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been encrypted.

Datatype: "ContentType2Code" on page 1582

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).

44.1.25.2.2.3.2 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		1486
	Parameter <*Param*>	[0..1]			1487
	InitialisationVector <*InitlstnVctr*>	[0..1]	Binary		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488

44.1.25.2.2.3.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the encryption algorithm.

Datatype: "Algorithm23Code" on page 1570

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).

44.1.25.2.2.3.2.2 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		1488
	BytePadding <*BPddg*>	[0..1]	CodeSet		1488

44.1.25.2.2.3.2.2.1 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1554

44.1.25.2.2.3.2.2.2 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 1576

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.

44.1.25.2.2.3.3 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		1489
	OtherIdentification <*OthrId*>	[0..1]	Text		1489
	EncryptedData <*NcrptdData*>	[1..1]			1489
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1490
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1490

44.1.25.2.2.3.3.1 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 1586

44.1.25.2.2.3.3.2 OtherIdentification <OthrId>

Presence: [0..1]

Definition: Other identification scheme for identifying the element that has been encrypted.

Datatype: "Max35Text" on page 1640

44.1.25.2.2.3.3.3 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		1489
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1489

44.1.25.2.2.3.3.3.1 BinaryData <BinryData>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 1553

44.1.25.2.2.3.3.3.2 HexadecimalBinaryValue <HexBinryVal>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 1643

44.1.25.2.2.3.3.4 ClearTextDataFormat <ClearTxtDataFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 1585

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.

44.1.25.2.2.3.3.5 OtherClearTextDataFormat <OthrClearTxtDataFrmt>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1640

44.1.25.2.3 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		1491
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1491
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1491
	Algorithm <*Algo*>	[0..1]	Text		1492
	KeyLength <*KeyLngth*>	[0..1]	Text		1492
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1492
	KeyIndex <*KeyIndx*>	[0..1]	Text		1492
	PaddingMethod <*PddgMtd*>	[0..1]	Text		1492
	EncryptedDataFormat <*NcrptdDataFrmt*>	[0..1]	Text		1492
	EncryptedDataElement <*NcrptdDataElmt*>	[1..*]			1493
	Identification <*Id*>	[0..1]	CodeSet		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

44.1.25.2.3.1 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 1634

44.1.25.2.3.2 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 1643

44.1.25.2.3.3 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 1639

44.1.25.2.3.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 1639

44.1.25.2.3.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 1641

44.1.25.2.3.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

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

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 1639

44.1.25.2.3.7 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 1641

44.1.25.2.3.8 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 1639

44.1.25.2.3.9 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 1639

44.1.25.2.3.10 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		1493
	OtherIdentification <*OthrId*>	[0..1]	Text		1493
	EncryptedData <*NcrptdData*>	[1..1]			1493
{Or	BinaryData <*BinryData*>	[1..1]	Binary		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494
	ClearTextDataFormat <*ClearTxtDataFrmt*>	[0..1]	CodeSet		1494
	OtherClearTextDataFormat <*OthrClearTxtDataFrmt*>	[0..1]	Text		1494

44.1.25.2.3.10.1 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 1586

44.1.25.2.3.10.2 OtherIdentification <OthrId>

Presence: [0..1]

Definition: Other identification scheme for identifying the element that has been encrypted.

Datatype: "Max35Text" on page 1640

44.1.25.2.3.10.3 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		1493
Or}	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1494

44.1.25.2.3.10.3.1 BinaryData <BinryData>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 1553

44.1.25.2.3.10.3.2 HexadecimalBinaryValue <HexBinryVal>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 1643

44.1.25.2.3.10.4 ClearTextDataFormat <ClearTxtDataFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 1585

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.

44.1.25.2.3.10.5 OtherClearTextDataFormat <OthrClearTxtDataFrmt>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1640

44.1.26 Settlement Details

44.1.26.1 SettlementService1

Definition: Attributes of a settlement service.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SettlementServiceProposed <*SttlmSvcPropsd*>	[0..1]			1495
	Type <*Tp*>	[0..1]	Text		1495
	Identification <*Id*>	[0..1]	Text		1496
	ShortName <*ShrtNm*>	[0..1]	Text		1496
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1496
	SettlementServiceApplied <*SttlmSvcApld*>	[0..1]			1496
	Type <*Tp*>	[0..1]	Text		1496
	Identification <*Id*>	[0..1]	Text		1497
	ShortName <*ShrtNm*>	[0..1]	Text		1497
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1497
	SettlementServiceDates <*SttlmSvcDts*>	[0..1]			1497
	RequestedSettlementDate <*ReqdSttlmDt*>	[0..1]	Date		1497
	SettlementDate <*SttlmDt*>	[0..1]	Date		1497
	SettlementTime <*SttlmTm*>	[0..1]	Time		1498
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1498
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1498
	SettlementReportingEntity <*SttlmRptgNtty*>	[0..1]			1498
	Type <*Tp*>	[0..1]	Text		1498
	Identification <*Id*>	[0..1]	Text		1498

44.1.26.1.1 SettlementServiceProposed <SttlmSvcPropsd>

Presence: [0..1]

Definition: Type of settlement service proposed.

SettlementServiceProposed <SttlmSvcPropsd> contains the following **SettlementServiceMode1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1495
	Identification <*Id*>	[0..1]	Text		1496
	ShortName <*ShrtNm*>	[0..1]	Text		1496
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1496

44.1.26.1.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of settlement service.

Datatype: "Max35Text" on page 1640

44.1.26.1.1.2 Identification <Id>

Presence: [0..1]

Definition: Identification of settlement service.

Datatype: "Max35Text" on page 1640

44.1.26.1.1.3 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the Settlement Service.

Datatype: "Max35Text" on page 1640

44.1.26.1.1.4 SettlementPriority <SttlmPrty>

Presence: [0..1]

Definition: Priority to process a settlement.

Datatype: "Priority3Code" on page 1614

CodeName	Name	Definition
URGT	Urgent	Priority level is urgent (highest priority possible).
HIGH	High	Priority level is high.
NORM	Normal	Priority level is normal.

44.1.26.1.2 SettlementServiceApplied <SttlmSvcApld>

Presence: [0..1]

Definition: Settlement service actually applied to the transaction.

SettlementServiceApplied <SttlmSvcApld> contains the following **SettlementServiceMode1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1496
	Identification <*Id*>	[0..1]	Text		1497
	ShortName <*ShrtNm*>	[0..1]	Text		1497
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1497

44.1.26.1.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of settlement service.

Datatype: "Max35Text" on page 1640

44.1.26.1.2.2 Identification <Id>

Presence: [0..1]

Definition: Identification of settlement service.

Datatype: "Max35Text" on page 1640

44.1.26.1.2.3 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the Settlement Service.

Datatype: "Max35Text" on page 1640

44.1.26.1.2.4 SettlementPriority <SttlmPrty>

Presence: [0..1]

Definition: Priority to process a settlement.

Datatype: "Priority3Code" on page 1614

CodeName	Name	Definition
URGT	Urgent	Priority level is urgent (highest priority possible).
HIGH	High	Priority level is high.
NORM	Normal	Priority level is normal.

44.1.26.1.3 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		1497
	SettlementDate <*SttlmDt*>	[0..1]	Date		1497
	SettlementTime <*SttlmTm*>	[0..1]	Time		1498
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1498
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1498

44.1.26.1.3.1 RequestedSettlementDate <ReqdSttlmDt>

Presence: [0..1]

Definition: Date requested for settlement.

Datatype: "ISODate" on page 1631

44.1.26.1.3.2 SettlementDate <SttlmDt>

Presence: [0..1]

Definition: Actual date of settlement.

ISO 8583 bit 15.

Datatype: "ISODate" on page 1631

44.1.26.1.3.3 SettlementTime <SttlmTm>

Presence: [0..1]

Definition: Actual time of settlement.

Datatype: "ISOTime" on page 1644

44.1.26.1.3.4 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 1640

44.1.26.1.3.5 SettlementCutOffTime <SttlmCutOffTm>

Presence: [0..1]

Definition: Identifies the effective end time of the settlement date and/or period.

Datatype: "ISODateTime" on page 1631

44.1.26.1.4 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		1498
	Identification <*Id*>	[0..1]	Text		1498

44.1.26.1.4.1 Type <Tp>

Presence: [0..1]

Definition: Identifies the type of settlement reporting entity

Datatype: "Max35Text" on page 1640

44.1.26.1.4.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the settlement reporting entity.

Datatype: "Max35Text" on page 1640

44.1.26.2 SettlementService2

Definition: Attributes of a settlement service.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <*SttlmSvcApld*>	[0..1]			1499
	Type <*Tp*>	[0..1]	Text		1499
	Identification <*Id*>	[0..1]	Text		1499
	ShortName <*ShrtNm*>	[0..1]	Text		1500
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1500
	SettlementServiceDates <*SttlmSvcDts*>	[0..1]			1500
	RequestedSettlementDate <*ReqdSttlmDt*>	[0..1]	Date		1500
	SettlementDate <*SttlmDt*>	[0..1]	Date		1500
	SettlementTime <*SttlmTm*>	[0..1]	Time		1501
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1501
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1501
	SettlementReportingEntity <*SttlmRptgNtty*>	[0..1]			1501
	Type <*Tp*>	[0..1]	Text		1501
	Identification <*Id*>	[0..1]	Text		1501

44.1.26.2.1 SettlementServiceApplied <SttlmSvcApld>

Presence: [0..1]

Definition: Settlement service actually applied to the transaction.

SettlementServiceApplied <SttlmSvcApld> contains the following **SettlementServiceMode1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1499
	Identification <*Id*>	[0..1]	Text		1499
	ShortName <*ShrtNm*>	[0..1]	Text		1500
	SettlementPriority <*SttlmPrty*>	[0..1]	CodeSet		1500

44.1.26.2.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of settlement service.

Datatype: "Max35Text" on page 1640

44.1.26.2.1.2 Identification <Id>

Presence: [0..1]

Definition: Identification of settlement service.

Datatype: "Max35Text" on page 1640

44.1.26.2.1.3 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the Settlement Service.

Datatype: "Max35Text" on page 1640

44.1.26.2.1.4 SettlementPriority <SttlmPrty>

Presence: [0..1]

Definition: Priority to process a settlement.

Datatype: "Priority3Code" on page 1614

CodeName	Name	Definition
URGT	Urgent	Priority level is urgent (highest priority possible).
HIGH	High	Priority level is high.
NORM	Normal	Priority level is normal.

44.1.26.2.2 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		1500
	SettlementDate <*SttlmDt*>	[0..1]	Date		1500
	SettlementTime <*SttlmTm*>	[0..1]	Time		1501
	SettlementPeriod <*SttlmPrd*>	[0..1]	Text		1501
	SettlementCutOffTime <*SttlmCutOffTm*>	[0..1]	DateTime		1501

44.1.26.2.2.1 RequestedSettlementDate <ReqdSttlmDt>

Presence: [0..1]

Definition: Date requested for settlement.

Datatype: "ISODate" on page 1631

44.1.26.2.2.2 SettlementDate <SttlmDt>

Presence: [0..1]

Definition: Actual date of settlement.

ISO 8583 bit 15.

Datatype: "ISODate" on page 1631

44.1.26.2.2.3 SettlementTime <SttlmTm>

Presence: [0..1]

Definition: Actual time of settlement.

Datatype: "ISOTime" on page 1644

44.1.26.2.2.4 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 1640

44.1.26.2.2.5 SettlementCutOffTime <SttlmCutOffTm>

Presence: [0..1]

Definition: Identifies the effective end time of the settlement date and/or period.

Datatype: "ISODateTime" on page 1631

44.1.26.2.3 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		1501
	Identification <*Id*>	[0..1]	Text		1501

44.1.26.2.3.1 Type <Tp>

Presence: [0..1]

Definition: Identifies the type of settlement reporting entity

Datatype: "Max35Text" on page 1640

44.1.26.2.3.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the settlement reporting entity.

Datatype: "Max35Text" on page 1640

44.1.27 Status

44.1.27.1 Action9

Definition: Set of actions to be performed.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Destination <*Dstn*>	[0..1]	CodeSet		1502
	ActionType <*ActnTp*>	[0..1]	CodeSet		1502
	OtherActionType <*OthrActnTp*>	[0..1]	Text		1503
	ActionInformation <*ActnInf*>	[0..1]	Text		1503

44.1.27.1.1 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the action.

Datatype: "PartyType20Code" on page 1607

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.

44.1.27.1.2 ActionType <ActnTp>

Presence: [0..1]

Definition: Action type to be performed.

Datatype: "ActionType11Code" on page 1555

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.

44.1.27.1.3 OtherActionType <OthrActnTp>

Presence: [0..1]

Definition: Other action type to be performed.

Datatype: "Max35Text" on page 1640

44.1.27.1.4 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 1642

44.1.27.2 ResultData2

Definition: Result of the processing.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1503
	OtherResult <*OthrRslt*>	[0..1]	Text		1504
	ResultDetails <*RsltDtls*>	[1..1]	Text		1504
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1504
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1504
	Type <*Tp*>	[0..1]	Text		1504
	Value <*Val*>	[0..1]	Text		1505

44.1.27.2.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "Response6Code" on page 1618

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.

44.1.27.2.2 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1640

44.1.27.2.3 ResultDetails <RsltDtls>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1634

44.1.27.2.4 OtherResultDetails <OthrRsltDtls>

Presence: [0..1]

Definition: Other result details of the processing.

Datatype: "Max35Text" on page 1640

44.1.27.2.5 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		1504
	Value <*Val*>	[0..1]	Text		1505

44.1.27.2.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

44.1.27.2.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

44.1.27.3 ResultData1

Definition: Result of the processing.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.3.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

ISO 8583 bit 39

Datatype: "Response8Code" on page 1619

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.

44.1.27.3.2 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1640

44.1.27.3.3 ResultDetails <RsltDtls>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1634

44.1.27.3.4 OtherResultDetails <OthrRsltDtls>

Presence: [0..1]

Definition: Other result details of the processing.

Datatype: "Max35Text" on page 1640

44.1.27.3.5 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		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.3.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

44.1.27.3.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

44.1.27.4 ProcessingResult7

Definition: Outcome of the processing of the authorisation.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]	±		1507
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1507
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1507

44.1.27.4.1 ResultData <RsltData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following elements (see "ResultData1" on page 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.4.2 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 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.4.3 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 1296 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1297
	OtherRecipient <*OthrRcpt*>	[0..1]	Text		1297
	Target <*Trgt*>	[0..*]	CodeSet		1297
	OtherTarget <*OthrTrgt*>	[0..1]	Text		1298
	Format <*Frmt*>	[0..1]	CodeSet		1298
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1298
	Type <*Tp*>	[0..1]	Text		1299
	Value <*Val*>	[1..1]	Text		1299

44.1.27.5 ProcessingResult6

Definition: Outcome of the verification processing of the transaction.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1508
	Result <*Rslt*>	[0..1]	CodeSet		1509
	OtherResult <*OthrRslt*>	[0..1]	Text		1509
	ResultDetails <*RsltDtls*>	[1..1]	Text		1509
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1510
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1510
	Type <*Tp*>	[0..1]	Text		1510
	Value <*Val*>	[0..1]	Text		1510
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1510
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1511
	Action <*Actn*>	[0..*]	±		1511
	AdditionalAction <*AddtlActn*>	[0..*]	±		1511
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1512

44.1.27.5.1 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		1509
	OtherResult <*OthrRslt*>	[0..1]	Text		1509
	ResultDetails <*RsltDtls*>	[1..1]	Text		1509
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1510
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1510
	Type <*Tp*>	[0..1]	Text		1510
	Value <*Val*>	[0..1]	Text		1510

44.1.27.5.1.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "Response10Code" on page 1618

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.

44.1.27.5.1.2 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1640

44.1.27.5.1.3 ResultDetails <RsltDtls>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1634

44.1.27.5.1.4 OtherResultDetails <OthrRsltDtls>

Presence: [0..1]

Definition: Other result details of the processing.

Datatype: "Max35Text" on page 1640

44.1.27.5.1.5 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		1510
	Value <*Val*>	[0..1]	Text		1510

44.1.27.5.1.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

44.1.27.5.1.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

44.1.27.5.2 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 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.5.3 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 1632):

- *Meaning When True:* Yes
- *Meaning When False:* No

44.1.27.5.4 Action <Actn>

Presence: [0..*]

Definition: Set of actions to be performed.

Action <Actn> contains the following elements (see "Action9" on page 1501 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Destination <*Dstn*>	[0..1]	CodeSet		1502
	ActionType <*ActnTp*>	[0..1]	CodeSet		1502
	OtherActionType <*OthrActnTp*>	[0..1]	Text		1503
	ActionInformation <*ActnInf*>	[0..1]	Text		1503

44.1.27.5.5 AdditionalAction <AddtlActn>

Presence: [0..*]

Definition: Additional action to perform.

AdditionalAction <AddtlActn> contains the following elements (see "AdditionalAction1" on page 1529 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1529
	Destination <*Dstn*>	[0..1]	CodeSet		1530
	OtherDestination <*OthrDstn*>	[0..1]	Text		1530
	DestinationType <*DstnTp*>	[0..1]	CodeSet		1530
	OtherDestinationType <*OthrDstnTp*>	[0..1]	Text		1530
	DestinationAddress <*DstnAdr*>	[0..1]	Text		1531
	Format <*Frmt*>	[0..1]	CodeSet		1531
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1531
	Content <*Cntt*>	[0..1]			1531
	Value <*Val*>	[1..1]	Text		1532
	Signature <*Sgntr*>	[0..1]	Binary		1532
	CertificateIdentification <*CertId*>	[0..1]	Text		1532

44.1.27.5.6 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 1296 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1297
	OtherRecipient <*OthrRcpt*>	[0..1]	Text		1297
	Target <*Trgt*>	[0..*]	CodeSet		1297
	OtherTarget <*OthrTrgt*>	[0..1]	Text		1298
	Format <*Frmt*>	[0..1]	CodeSet		1298
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1298
	Type <*Tp*>	[0..1]	Text		1299
	Value <*Val*>	[1..1]	Text		1299

44.1.27.6 ProcessingResult5

Definition: Outcome of the processing of the transaction.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]	±		1513
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1513
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1514
	Action <*Actn*>	[0..*]	±		1514
	AdditionalAction <*AddtlActn*>	[0..*]	±		1514
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1515

44.1.27.6.1 ResultData <RsltData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following elements (see "ResultData1" on page 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.6.2 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 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.6.3 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 1632):

- *Meaning When True:* Yes
- *Meaning When False:* No

44.1.27.6.4 Action <Actn>

Presence: [0..*]

Definition: Set of actions to be performed.

Action <Actn> contains the following elements (see "Action9" on page 1501 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Destination <*Dstn*>	[0..1]	CodeSet		1502
	ActionType <*ActnTp*>	[0..1]	CodeSet		1502
	OtherActionType <*OthrActnTp*>	[0..1]	Text		1503
	ActionInformation <*ActnInf*>	[0..1]	Text		1503

44.1.27.6.5 AdditionalAction <AddtlActn>

Presence: [0..*]

Definition: Additional action to perform.

AdditionalAction <AddtlActn> contains the following elements (see "AdditionalAction1" on page 1529 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1529
	Destination <*Dstn*>	[0..1]	CodeSet		1530
	OtherDestination <*OthrDstn*>	[0..1]	Text		1530
	DestinationType <*DstnTp*>	[0..1]	CodeSet		1530
	OtherDestinationType <*OthrDstnTp*>	[0..1]	Text		1530
	DestinationAddress <*DstnAdr*>	[0..1]	Text		1531
	Format <*Frmt*>	[0..1]	CodeSet		1531
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1531
	Content <*Cntt*>	[0..1]			1531
	Value <*Val*>	[1..1]	Text		1532
	Signature <*Sgntr*>	[0..1]	Binary		1532
	CertificateIdentification <*CertId*>	[0..1]	Text		1532

44.1.27.6.6 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 1296 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1297
	OtherRecipient <*OthrRcpt*>	[0..1]	Text		1297
	Target <*Trgt*>	[0..*]	CodeSet		1297
	OtherTarget <*OthrTrgt*>	[0..1]	Text		1298
	Format <*Frmt*>	[0..1]	CodeSet		1298
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1298
	Type <*Tp*>	[0..1]	Text		1299
	Value <*Val*>	[1..1]	Text		1299

44.1.27.7 ProcessingResult4

Definition: Outcome of the processing of the transaction.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[0..1]			1516
	Result <*Rslt*>	[0..1]	CodeSet		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1517
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1518

44.1.27.7.1 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		1516
	OtherResult <*OthrRslt*>	[0..1]	Text		1517
	ResultDetails <*RsltDtls*>	[1..1]	Text		1517
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1517
	Type <*Tp*>	[0..1]	Text		1517
	Value <*Val*>	[0..1]	Text		1517

44.1.27.7.1.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "Response8Code" on page 1619

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.

44.1.27.7.1.2 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1640

44.1.27.7.1.3 ResultDetails <RsltDtls>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1634

44.1.27.7.1.4 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		1517
	Value <*Val*>	[0..1]	Text		1517

44.1.27.7.1.4.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

44.1.27.7.1.4.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

44.1.27.7.2 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 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.7.3 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 1294 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1295
	Target <*Trgt*>	[0..*]	CodeSet		1295
	Format <*Frmt*>	[0..1]	CodeSet		1296
	Type <*Tp*>	[0..1]	Text		1296
	Value <*Val*>	[1..1]	Text		1296

44.1.27.8 ProcessingResult3

Definition: Outcome of the processing of the batch.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ResultData <*RsltData*>	[1..1]	±		1518
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1519

44.1.27.8.1 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 1503 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1503
	OtherResult <*OthrRslt*>	[0..1]	Text		1504
	ResultDetails <*RsltDtls*>	[1..1]	Text		1504
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1504
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1504
	Type <*Tp*>	[0..1]	Text		1504
	Value <*Val*>	[0..1]	Text		1505

44.1.27.8.2 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 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.9 ProcessingResult2

Definition: Outcome of the processing of the authorisation.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1520
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1520
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1520
	ResultData <*RsltData*>	[0..1]	±		1521
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1521
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1521
	Action <*Actn*>	[0..*]	±		1522
	AdditionalAction <*AddtlActn*>	[0..*]	±		1522
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1523

44.1.27.9.1 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]	±		1520
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1520

44.1.27.9.1.1 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 1527 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1527
	Type <*Tp*>	[1..1]	CodeSet		1527
	OtherType <*OthrTp*>	[0..1]	Text		1528
	Assigner <*Assgnr*>	[0..1]	CodeSet		1528
	Country <*Ctry*>	[0..1]	Text		1528
	ShortName <*ShrtNm*>	[0..1]	Text		1529

44.1.27.9.1.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Value assigned by the approval entity indicating approval.

ISO 8583:93/2003 bit 38

Datatype: "Exact6AlphaNumericText" on page 1635

44.1.27.9.2 ResultData <RsltData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following elements (see "ResultData1" on page 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.9.3 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 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.9.4 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 1632):

- *Meaning When True:* Yes
- *Meaning When False:* No

44.1.27.9.5 Action <Actn>

Presence: [0..*]

Definition: Set of actions to be performed.

Action <Actn> contains the following elements (see "Action9" on page 1501 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Destination <*Dstn*>	[0..1]	CodeSet		1502
	ActionType <*ActnTp*>	[0..1]	CodeSet		1502
	OtherActionType <*OthrActnTp*>	[0..1]	Text		1503
	ActionInformation <*ActnInf*>	[0..1]	Text		1503

44.1.27.9.6 AdditionalAction <AddtlActn>

Presence: [0..*]

Definition: Additional action to perform.

AdditionalAction <AddtlActn> contains the following elements (see "AdditionalAction1" on page 1529 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1529
	Destination <*Dstn*>	[0..1]	CodeSet		1530
	OtherDestination <*OthrDstn*>	[0..1]	Text		1530
	DestinationType <*DstnTp*>	[0..1]	CodeSet		1530
	OtherDestinationType <*OthrDstnTp*>	[0..1]	Text		1530
	DestinationAddress <*DstnAdr*>	[0..1]	Text		1531
	Format <*Frmt*>	[0..1]	CodeSet		1531
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1531
	Content <*Cntt*>	[0..1]			1531
	Value <*Val*>	[1..1]	Text		1532
	Signature <*Sgntr*>	[0..1]	Binary		1532
	CertificateIdentification <*CertId*>	[0..1]	Text		1532

44.1.27.9.7 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 1296 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1297
	OtherRecipient <*OthrRcpt*>	[0..1]	Text		1297
	Target <*Trgt*>	[0..*]	CodeSet		1297
	OtherTarget <*OthrTrgt*>	[0..1]	Text		1298
	Format <*Frmt*>	[0..1]	CodeSet		1298
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1298
	Type <*Tp*>	[0..1]	Text		1299
	Value <*Val*>	[1..1]	Text		1299

44.1.27.10 ProcessingResult1

Definition: Outcome of the processing of the transaction.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	ApprovalData <*ApprvlData*>	[0..1]			1523
	ApprovalEntity <*ApprvlNtty*>	[0..1]	±		1524
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1524
	ResultData <*RsltData*>	[0..1]	±		1524
	OriginalResultData <*OrgnlRsltData*>	[0..1]	±		1525
	ActionRequired <*ActnReqrd*>	[0..1]	Indicator		1525
	Action <*Actn*>	[0..*]	±		1526
	AdditionalAction <*AddtlActn*>	[0..*]	±		1526
	AdditionalInformation <*AddtlInf*>	[0..*]	±		1526

44.1.27.10.1 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]	±		1524
	ApprovalCode <*ApprvlCd*>	[0..1]	Text		1524

44.1.27.10.1.1 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 1527 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Identification <*Id*>	[0..1]	Text		1527
	Type <*Tp*>	[1..1]	CodeSet		1527
	OtherType <*OthrTp*>	[0..1]	Text		1528
	Assigner <*Assgnr*>	[0..1]	CodeSet		1528
	Country <*Ctry*>	[0..1]	Text		1528
	ShortName <*ShrtNm*>	[0..1]	Text		1529

44.1.27.10.1.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Value assigned by the approval entity indicating approval.

ISO 8583:93/2003 bit 38

Datatype: "Exact6AlphaNumericText" on page 1635

44.1.27.10.2 ResultData <RsltData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following elements (see "ResultData1" on page 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.10.3 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 1505 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Result <*Rslt*>	[0..1]	CodeSet		1505
	OtherResult <*OthrRslt*>	[0..1]	Text		1505
	ResultDetails <*RsltDtls*>	[1..1]	Text		1506
	OtherResultDetails <*OthrRsltDtls*>	[0..1]	Text		1506
	AdditionalResultInformation <*AddtlRsltInf*>	[0..*]			1506
	Type <*Tp*>	[0..1]	Text		1506
	Value <*Val*>	[0..1]	Text		1506

44.1.27.10.4 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 1632):

- *Meaning When True:* Yes
- *Meaning When False:* No

44.1.27.10.5 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 1501 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Destination <*Dstn*>	[0..1]	CodeSet		1502
	ActionType <*ActnTp*>	[0..1]	CodeSet		1502
	OtherActionType <*OthrActnTp*>	[0..1]	Text		1503
	ActionInformation <*ActnInf*>	[0..1]	Text		1503

44.1.27.10.6 AdditionalAction <AddtlActn>

Presence: [0..*]

Definition: Additional action to perform.

AdditionalAction <AddtlActn> contains the following elements (see "AdditionalAction1" on page 1529 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1529
	Destination <*Dstn*>	[0..1]	CodeSet		1530
	OtherDestination <*OthrDstn*>	[0..1]	Text		1530
	DestinationType <*DstnTp*>	[0..1]	CodeSet		1530
	OtherDestinationType <*OthrDstnTp*>	[0..1]	Text		1530
	DestinationAddress <*DstnAdr*>	[0..1]	Text		1531
	Format <*Frmt*>	[0..1]	CodeSet		1531
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1531
	Content <*Cntt*>	[0..1]			1531
	Value <*Val*>	[1..1]	Text		1532
	Signature <*Sgntr*>	[0..1]	Binary		1532
	CertificateIdentification <*CertId*>	[0..1]	Text		1532

44.1.27.10.7 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 1296 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Recipient <*Rcpt*>	[0..1]	CodeSet		1297
	OtherRecipient <*OthrRcpt*>	[0..1]	Text		1297
	Target <*Trgt*>	[0..*]	CodeSet		1297
	OtherTarget <*OthrTrgt*>	[0..1]	Text		1298
	Format <*Frmt*>	[0..1]	CodeSet		1298
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1298
	Type <*Tp*>	[0..1]	Text		1299
	Value <*Val*>	[1..1]	Text		1299

44.1.27.11 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		1527
	Type <*Tp*>	[1..1]	CodeSet		1527
	OtherType <*OthrTp*>	[0..1]	Text		1528
	Assigner <*Assgnr*>	[0..1]	CodeSet		1528
	Country <*Ctry*>	[0..1]	Text		1528
	ShortName <*ShrtNm*>	[0..1]	Text		1529

44.1.27.11.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the entity.

ISO 8583:93/2003 bit 58

Datatype: "Max35Text" on page 1640

44.1.27.11.2 Type <Tp>

Presence: [1..1]

Definition: Type of entity having declined or delivered the card payment authorisation.

Datatype: "PartyType26Code" on page 1609

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	DelegateIssuer	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

44.1.27.11.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of party.

Datatype: "Max35Text" on page 1640

44.1.27.11.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning the identification.

Datatype: "PartyType9Code" on page 1610

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.

44.1.27.11.5 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 1643

44.1.27.11.6 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the entity delivering or declining the authorisation.

Datatype: "Max35Text" on page 1640

44.1.27.12 AdditionalAction1

Definition: Additional action to perform.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	CodeSet		1529
	Destination <*Dstn*>	[0..1]	CodeSet		1530
	OtherDestination <*OthrDstn*>	[0..1]	Text		1530
	DestinationType <*DstnTp*>	[0..1]	CodeSet		1530
	OtherDestinationType <*OthrDstnTp*>	[0..1]	Text		1530
	DestinationAddress <*DstnAdr*>	[0..1]	Text		1531
	Format <*Frmt*>	[0..1]	CodeSet		1531
	OtherFormat <*OthrFrmt*>	[0..1]	Text		1531
	Content <*Cntt*>	[0..1]			1531
	Value <*Val*>	[1..1]	Text		1532
	Signature <*Sgntr*>	[0..1]	Binary		1532
	CertificateIdentification <*CertId*>	[0..1]	Text		1532

44.1.27.12.1 Type <Tp>

Presence: [0..1]

Definition: Type of additional action to perform.

Datatype: "ActionType10Code" on page 1555

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.

44.1.27.12.2 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the additional action to perform.

Datatype: "PartyType21Code" on page 1607

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

44.1.27.12.3 OtherDestination <OthrDstn>

Presence: [0..1]

Definition: Other destination of action.

Datatype: "Max35Text" on page 1640

44.1.27.12.4 DestinationType <DstnTp>

Presence: [0..1]

Definition: Type of destination of the additional action to perform.

Datatype: "ActionDestination1Code" on page 1554

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.

44.1.27.12.5 OtherDestinationType <OthrDstnTp>

Presence: [0..1]

Definition: Other type of destination.

Datatype: "Max35Text" on page 1640

44.1.27.12.6 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 1642

44.1.27.12.7 Format <Frmt>

Presence: [0..1]

Definition: Format of the message associated with the additional action to perform.

Datatype: "OutputFormat4Code" on page 1605

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.

44.1.27.12.8 OtherFormat <OthrFrmt>

Presence: [0..1]

Definition: Other type of format for action data.

Datatype: "Max35Text" on page 1640

44.1.27.12.9 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		1532
	Signature <*Sgntr*>	[0..1]	Binary		1532
	CertificateIdentification <*CertId*>	[0..1]	Text		1532

44.1.27.12.9.1 Value <Val>

Presence: [1..1]

Definition: Value of the content of or the reference to the message.

Datatype: "Max20KText" on page 1638

44.1.27.12.9.2 Signature <Sgntr>

Presence: [0..1]

Definition: Digital signature of the content of or the reference to the message.

Datatype: "Max140Binary" on page 1553

44.1.27.12.9.3 CertificateIdentification <CertId>

Presence: [0..1]

Definition: Signing certificate identification.

Datatype: "Max70Text" on page 1642

44.1.28 Tax

44.1.28.1 Tax33

Definition: Description of tax.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[1..1]	CodeSet		1532
	OtherType <*OthrTp*>	[0..1]	Text		1538
	Description <*Desc*>	[0..1]	Text		1538
	TaxExemption <*TaxXmptn*>	[0..1]	Indicator		1538
	TaxExemptReason <*TaxXmptRsn*>	[0..1]	Text		1538
	Amount <*Amt*>	[1..1]	Amount		1538
	Rate <*Rate*>	[0..1]	Rate		1538

44.1.28.1.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax.

Datatype: "AddendumTaxType1Code" on page 1556

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 privelage 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.

44.1.28.1.2 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 1640

44.1.28.1.3 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 1640

44.1.28.1.4 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 1631):

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

44.1.28.1.5 TaxExemptReason <TaxXmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 1640

44.1.28.1.6 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1552

44.1.28.1.7 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 1633

44.1.29 Token

44.1.29.1 Token1

Definition: Unencrypted sensitive data of a token.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	PaymentToken <*PmtTkn*>	[0..1]	Text		1539
	TokenExpiryDate <*TknXpryDt*>	[0..1]	Text		1539
	TokenRequestorIdentification <*TknRqstrId*>	[0..1]	Text		1539
	TokenAssuranceData <*TknAssrncData*>	[0..1]	Text		1539
	TokenAssuranceMethod <*TknAssrncMtd*>	[0..1]	Text		1539
	TokenInitiatedIndicator <*TknInittdInd*>	[0..1]	Indicator		1540

44.1.29.1.1 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "Max19NumericText" on page 1638

44.1.29.1.2 TokenExpiryDate <TknXpryDt>

Presence: [0..1]

Definition: Expiry date of the payment token.

ISO 8583 bit 14.

Datatype: "Exact4NumericText" on page 1635

44.1.29.1.3 TokenRequestorIdentification <TknRqstrId>

Presence: [0..1]

Definition: Identification of a party requesting a token.

Datatype: "Max11NumericText" on page 1636

44.1.29.1.4 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Supporting information for the Token Assurance Method.

Datatype: "Max140Text" on page 1637

44.1.29.1.5 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 1639

44.1.29.1.6 TokenInitiatedIndicator <TknInittdInd>

Presence: [0..1]

Definition: Original transaction was initiated by Token.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1631):

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

44.1.30 Verification

44.1.30.1 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		1540
	OtherType <*OthrTp*>	[0..1]	Text		1543
	SubType <*SubTp*>	[0..1]	Text		1543
	VerificationInformation <*VrfctnInf*>	[0..*]	±		1543
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1543

44.1.30.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of authentication or verification.

Datatype: "AuthenticationMethod11Code" on page 1572

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).

44.1.30.1.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of authentication or verification.

Datatype: "Max35Text" on page 1640

44.1.30.1.3 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 1640

44.1.30.1.4 VerificationInformation <VrfctnInf>

Presence: [0..*]

Definition: Contains verification or authentication data.

VerificationInformation <VrfctnInf> contains the following elements (see "VerificationInformation1" on page 1546 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1547
	Value <*Val*>	[0..1]			1547
{Or	TextValue <*TxtVal*>	[1..1]	Text		1547
Or	BinaryValue <*BinryVal*>	[1..1]	Binary		1547
Or	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1547
Or}	PINData <*PINData*>	[1..1]	±		1547
	Reason <*Rsn*>	[0..*]	Text		1548
	DateTime <*DtTm*>	[0..1]	DateTime		1548
	ValidityEndDate <*VldtyEndDt*>	[0..1]	Date		1548
	ValidityEndTime <*VldtyEndTm*>	[0..1]	Time		1548

44.1.30.1.5 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 1544 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1544
	Entity <*Ntty*>	[0..1]	CodeSet		1544
	OtherEntity <*OthrNtty*>	[0..1]	Text		1545
	Result <*Rslt*>	[0..1]	CodeSet		1545
	OtherResult <*OthrRslt*>	[0..1]	Text		1546
	ResultDetails <*RsltDtls*>	[0..*]			1546
	Type <*Tp*>	[0..1]	Text		1546
	Value <*Val*>	[0..1]	Text		1546

44.1.30.2 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		1544
	Entity <*Ntty*>	[0..1]	CodeSet		1544
	OtherEntity <*OthrNtty*>	[0..1]	Text		1545
	Result <*Rslt*>	[0..1]	CodeSet		1545
	OtherResult <*OthrRslt*>	[0..1]	Text		1546
	ResultDetails <*RsltDtls*>	[0..*]			1546
	Type <*Tp*>	[0..1]	Text		1546
	Value <*Val*>	[0..1]	Text		1546

44.1.30.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of the verification or authentication.

Datatype: "Max35Text" on page 1640

44.1.30.2.2 Entity <Ntty>

Presence: [0..1]

Definition: Entity who actually performed the verification.

ISO 8583:93 bit 22-9

Datatype: "VerificationEntity1Code" on page 1630

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.

44.1.30.2.3 OtherEntity <OthrNtty>

Presence: [0..1]

Definition: Other national or private entity in charge of the verification.

Datatype: "Max35Text" on page 1640

44.1.30.2.4 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

ISO 8583 : 2003 bit 49 dataset 72

Datatype: "Verification2Code" on page 1630

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.

44.1.30.2.5 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Additional result of the verification, for instance for electronic commerce.

Datatype: "Max500Text" on page 1641

44.1.30.2.6 ResultDetails <RsltDtls>

Presence: [0..*]

Definition: Details of the result.

ResultDetails <RsltDtls> contains the following **AdditionalData1** elements

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1546
	Value <*Val*>	[0..1]	Text		1546

44.1.30.2.6.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1640

44.1.30.2.6.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1638

44.1.30.3 VerificationInformation1

Definition: Contains verification information.

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1547
	Value <*Val*>	[0..1]			1547
{Or	TextValue <*TxtVal*>	[1..1]	Text		1547
Or	BinaryValue <*BinryVal*>	[1..1]	Binary		1547
Or	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1547
Or}	PINData <*PINData*>	[1..1]	±		1547
	Reason <*Rsn*>	[0..*]	Text		1548
	DateTime <*DtTm*>	[0..1]	DateTime		1548
	ValidityEndDate <*VldtyEndDt*>	[0..1]	Date		1548
	ValidityEndTime <*VldtyEndTm*>	[0..1]	Time		1548

44.1.30.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of the verification or authentication.

ISO 8583:2003 bit 34

Datatype: "Max35Text" on page 1640

44.1.30.3.2 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		1547
Or	BinaryValue <*BinryVal*>	[1..1]	Binary		1547
Or	HexadecimalBinaryValue <*HexBinryVal*>	[1..1]	Text		1547
Or}	PINData <*PINData*>	[1..1]	±		1547

44.1.30.3.2.1 TextValue <TxtVal>

Presence: [1..1]

Definition: Value of the data expressed in text form.

Datatype: "Max2048Text" on page 1638

44.1.30.3.2.2 BinaryValue <BinryVal>

Presence: [1..1]

Definition: Value of the data expressed in BASE-64 encoded binary form.

Datatype: "Max5000Binary" on page 1554

44.1.30.3.2.3 HexadecimalBinaryValue <HexBinryVal>

Presence: [1..1]

Definition: Value of the data expressed in hexadecimal encoded binary form.

Datatype: "Max9999HexBinaryText" on page 1643

44.1.30.3.2.4 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 1341 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Control <*Ctrl*>	[0..1]	Text		1342
	KeySetIdentifier <*KeySetIdr*>	[0..1]	Text		1342
	DerivedInformation <*DrvdInf*>	[0..1]	Text		1342
	Algorithm <*Algo*>	[0..1]	Text		1343
	KeyLength <*KeyLngth*>	[0..1]	Text		1343
	KeyProtection <*KeyPrtcn*>	[0..1]	Text		1343
	KeyIndex <*KeyIndx*>	[0..1]	Text		1343
	PINBlockFormat <*PINBlckFrmt*>	[1..1]	Text		1343
	EncryptedPINBlock <*NcrptdPINBlck*>	[1..1]	Text		1343

44.1.30.3.3 Reason <Rsn>

Presence: [0..*]

Definition: Reason to perform the verification.

Datatype: "Max35Text" on page 1640

44.1.30.3.4 DateTime <DtTm>

Presence: [0..1]

Definition: Date and time when the verification was performed.

Datatype: "ISODateTime" on page 1631

44.1.30.3.5 ValidityEndDate <VldtyEndDt>

Presence: [0..1]

Definition: Contains end date of the verification that has been performed.

Datatype: "ISODate" on page 1631

44.1.30.3.6 ValidityEndTime <VldtyEndTm>

Presence: [0..1]

Definition: Contains end time of the verification that has been performed.

Datatype: "ISOTime" on page 1644

44.1.30.4 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		1549
	OtherType <*OthrTp*>	[0..1]	Text		1551
	SubType <*SubTp*>	[0..1]	Text		1551
	AdditionalInformation <*AddtlInf*>	[0..1]	Text		1552
	VerificationResult <*VrfctnRslt*>	[0..*]	±		1552

44.1.30.4.1 Type <Tp>

Presence: [0..1]

Definition: Type of authentication or verification.

Datatype: "AuthenticationMethod11Code" on page 1572

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).

44.1.30.4.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of authentication.

Datatype: "Max35Text" on page 1640

44.1.30.4.3 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 1640

44.1.30.4.4 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the verification.

Datatype: "Max35Text" on page 1640

44.1.30.4.5 VerificationResult <VrfctnRslt>

Presence: [0..*]

Definition: Result of verifications performed prior or after the transaction.

VerificationResult <VrfctnRslt> contains the following elements (see "VerificationResult1" on page 1544 for details)

Or	MessageElement<*XML Tag*>	Mult.	Type	Constr. No.	Page
	Type <*Tp*>	[0..1]	Text		1544
	Entity <*Ntty*>	[0..1]	CodeSet		1544
	OtherEntity <*OthrNtty*>	[0..1]	Text		1545
	Result <*Rslt*>	[0..1]	CodeSet		1545
	OtherResult <*OthrRslt*>	[0..1]	Text		1546
	ResultDetails <*RsltDtls*>	[0..*]			1546
	Type <*Tp*>	[0..1]	Text		1546
	Value <*Val*>	[0..1]	Text		1546

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

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
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.

CodeName	Name	Definition
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privelage 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	EllipticCryptographicCurveFifthAlgortihm	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 igital 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	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	MSIProximity	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	ICCProximity	ICC contactless proximity
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability
MSIP	MSIProximity	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 reinvoiced 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	Loyaly	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.
UVRL	Universal	Universal account.
CASH	Cash	Cash as a source type to perform the transaction.
CRDT	CreditCard	Credit card account.
CDBT	DebitCard	Debit card account.
EPRS	EpurseCard	Electronic purse card account.
DBAC	DebitAccount	Account for debiting funds.
CURR	Current	Current account.
CHQE	Cheque	Cheque
PRPD	PrePaid	Pre-paid account.
LCDT	LineOfCredit	Line of credit account.

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	TwentyFourHourAvailablity	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 MessageError1

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	DelegateIssuer	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 PurchaseIdentifierType1

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
FECR	FeeCollectionResponse	Fee Collection Response
FIAI	FileActionInitiation	File Action Initiation
FIAR	FileActionResponse	File Action Response
FINR	FinancialResponse	Financial Response
FINI	FinancialInitiation	Financial Initiation
FRDI	FraudDispositionInitiation	Fraud Disposition Initiation
FRDR	FraudDispositionResponse	Fraud Disposition Response
FRRI	FraudReportingInitiation	Fraud Reporting Initiation
FRRR	FraudReportingResponse	Fraud Reporting Response
INQI	InquiryInitiation	Inquiry Initiation
INQR	InquiryResponse	Inquiry Response
KYEI	KeyExchangeInitiation	Key Exchange Initiation
KYER	KeyExchangeResponse	Key Exchange Response
NWMI	NetworkManagementInitiation	Network Management Initiation.
NWMR	NetworkManagementResponse	Network Management Response
RECI	ReconciliationInitiation	Reconciliation Initiation
RECR	ReconciliationResponse	Reconciliation Response
RTFI	RetrievalFulfilmentInitiation	Retrieval Fulfilment Initiation
RTFR	RetrievalFulfilmentResponse	Retrieval Fulfilment Response

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.
CPTE	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 occurence 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).
RESD	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

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 of1digit.

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}

44.2.9.8 Exact4NumericText

Definition: Specifies a numeric string with an exact length of 4 digits.

Type: Text

Format

pattern	[0-9]{4}

44.2.9.9 Exact6AlphaNumericText

Definition: Specifies an alphanumeric string with a length of 6 characters.

Type: Text

Format

pattern	[a-zA-Z0-9\s]{6}

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}

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}

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}

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}

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}

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}

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}

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}

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}

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}

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}

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}

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