

ISO 20022

## Card Payments Exchanges - Acceptor to Acquirer - 2021 - 2022

# Message Definition Report - Part 2

For review by the Cards and Related Financial Services SEG

This document provides details of the Message Definitions for Card Payments Exchanges - Acceptor to Acquirer - 2021 - 2022.

May 2023

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# 1 Message Set Overview

## Introduction

Set of messages that support transactions and services that are related to card payments between a card acceptor and a card transaction acquirer. It includes the authorisation, cancellation and capture of card transactions.

## 1.1 List of MessageDefinitions

The following table lists all MessageDefinitions described in this book.

MessageDefinition	Definition
caaa.001.001.11 AcceptorAuthorisationRequestV11	The AcceptorAuthorisationRequest message is sent by an acceptor (or its agent) to the acquirer (or its agent), to check with the issuer (or its agent) that the account associated to the card has the resources to fund the payment. This checking will include validation of the card data and any additional transaction data provided.
caaa.002.001.11 AcceptorAuthorisationResponseV11	The AcceptorAuthorisationResponse message is sent by the acquirer (or its agent) to an acceptor (or its agent), to return the result of the validation made by issuer about the payment transaction.
caaa.003.001.11 AcceptorCompletionAdviceV11	The AcceptorCompletionAdvice message is sent by an acceptor (or its agent) to notify the acquirer (or its agent) of the outcome of the payment at the acceptor, and to transfer the financial data of the transaction to the acquirer (capture).  A AcceptorCompletionAdvice message is also sent to reverse an approved authorisation and any associated financial transfer (capture), if the card payment transaction could not be completed successfully.
caaa.004.001.10 AcceptorCompletionAdviceResponseV10	The AcceptorCompletionAdviceResponse message is sent by the acquirer (or its agent) to acknowledge the acceptor (or its agent) of the outcome of the payment transaction, and the transfer the financial data of the transaction contained in the completion advice.
caaa.005.001.11 AcceptorCancellationRequestV11	The AcceptorCancellationRequest message is sent by an acceptor (or its agent) to the acquirer (or its agent), to request the cancellation of a successfully completed transaction. Cancellation should only occur before the transaction has been cleared.
caaa.006.001.10 AcceptorCancellationResponseV10	The AcceptorCancellationResponse message is sent by the acquirer (or its agent) to an acceptor (or its agent), to return the outcome of the cancellation request. If the response is positive, the acquirer has voided the financial data from the captured transaction.
caaa.007.001.11 AcceptorCancellationAdviceV11	The AcceptorCancellationAdvice message is sent by an acceptor (or its agent) to notify the acquirer (or its agent) of the cancellation of a successfully completed transaction. The transaction has been completed without financial transfer, or the acceptor is aware that the transaction was not cleared by the acquirer.
caaa.008.001.10 AcceptorCancellationAdviceResponseV10	The AcceptorCancellationAdviceResponse message is sent by the acquirer (or its agent) to acknowledge the

MessageDefinition	Definition
	acceptor (or its agent) about the notification of the payment cancellation.
caaa.009.001.10 AcceptorReconciliationRequestV10	<p>The AcceptorReconciliationRequest message is sent by an acceptor (or its agent) to the acquirer (or its agent), to ensure that the debits and credits performed by the acceptor matches the computed balances of the acquirer for the debits and credits performed during the same reconciliation period.</p> <p>If the acceptor or the acquirer notices a difference in totals, the discrepancy will be resolved by other means, outside the scope of the protocol.</p>
caaa.010.001.09 AcceptorReconciliationResponseV09	<p>The AcceptorReconciliationResponse message is sent by the acquirer (or its agent) to an acceptor (or its agent), to ensure that the debits and credits performed by the acceptor matches the computed balances of the acquirer for the debits and credits performed during the same reconciliation period.</p> <p>If the acceptor or the acquirer notices a difference in totals, the discrepancy will be resolved by other means, outside the scope of the protocol.</p>
caaa.011.001.11 AcceptorBatchTransferV11	The AcceptorBatchTransfer is sent by an acceptor (or its agent) to transfer the financial data of a collection of transactions to the acquirer (or its agent).
caaa.012.001.10 AcceptorBatchTransferResponseV10	The AcceptorBatchTransferResponse is sent by the acquirer (or its agent) to inform the acceptor (or its agent) of the transfer in a previous AcceptorBatchTransfer of a collection of transactions.
caaa.013.001.10 AcceptorDiagnosticRequestV10	The AcceptorDiagnosticRequest message is sent by an acceptor (or its agent) to the acquirer (or its agent), to check the end-to-end communication, to test the availability of this acquirer, or to validate the security environment.
caaa.014.001.09 AcceptorDiagnosticResponseV09	The AcceptorDiagnosticResponse message is sent by the acquirer (or its agent) to provide to the acceptor the result of the diagnostic request.
caaa.015.001.06 AcceptorRejectionV06	The AcceptorRejection message is sent by the acquirer (or its agent) to reject a message request or advice sent by an acceptor (or its agent), to indicate that the received message could not be processed.
caaa.016.001.09 AcceptorCurrencyConversionRequestV09	The AcceptorCurrencyConversionRequest message is sent by the card acceptor to the currency conversion service provider to request if the cardholder is able to pay in the currency of its card.
caaa.017.001.09 AcceptorCurrencyConversionResponseV09	The AcceptorCurrencyConversionResponse message is sent by currency conversion service provider to the card acceptor to return the result of a potential currency conversion for the cardholder.
caaa.018.001.06 AcceptorCurrencyConversionAdviceV06	The AcceptorCurrencyConversionAdvice message is sent by the card acceptor to inform the currency conversion service provider of the outcome of the card currency conversion.
caaa.019.001.05 AcceptorCurrencyConversionAdviceResponseV05	The AcceptorCurrencyConversionAdviceResponse message is sent by the service provider to

MessageDefinition	Definition
	acknowledge the acceptor about the notification of the reception of the currency conversion advice.
caaa.020.001.03 TransactionAdviceV03	The TransactionAdvice message is sent by the Acquirer (or Agent) to provide to the POI the outcome of a transaction processed outside of this protocol.
caaa.021.001.03 TransactionAdviceResponseV03	The TransactionAdviceResponse message is sent by the POI to acknowledge the Acquirer (or its agent) about the notification of the transaction advice.
caaa.022.001.02 AcceptorNonFinancialRequestV02	The AcceptorNonFinancialRequest message is sent by the POI to receive additional information from the Acquirer (or its agent).
caaa.023.001.02 AcceptorNonFinancialResponseV02	The AcceptorNonFinancialResponse message is sent by the Acquirer (or its Agent) to the POI to provide additional information.
caaa.024.001.02 AcceptorTransactionLogReportRequestV02	The AcceptorTransactionLogReportRequest message is sent by an Acceptor to an Acquirer or its IntermediaryAgent to request a report service.
caaa.025.001.02 AcceptorTransactionLogReportResponseV02	This AcceptorTransactionLogReportResponse message is sent by an Acquirer or its IntermediaryAgent to provide the report previously expected by a POI.

## **2        caaa.001.001.11           AcceptorAuthorisationRequestV11**

### **2.1      MessageDefinition Functionality**

The AcceptorAuthorisationRequest message is sent by an acceptor (or its agent) to the acquirer (or its agent), to check with the issuer (or its agent) that the account associated to the card has the resources to fund the payment. This checking will include validation of the card data and any additional transaction data provided.

#### Outline

The AcceptorAuthorisationRequestV11 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
    Authorisation request message management information.
- B. AuthorisationRequest  
    Information related to the authorisation request.
- 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> <AccptrAuthstnReq>	[1..1]			
	Header <Hdr>	[1..1]			15
	MessageFunction <MsgFctn>	[1..1]	CodeSet		15
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		16
	ExchangeIdentification <XchgId>	[1..1]	Quantity		17
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		17
	CreationDateTime <CreDtTm>	[1..1]	DateTime		17
	InitiatingParty <InitgPty>	[1..1]	±		17
	RecipientParty <RcptPty>	[0..1]	±		17
	Traceability <Tracblt>	[0..*]	±		18
	AuthorisationRequest <AuthstnReq>	[1..1]			18
	Environment <Envnt>	[1..1]	±		22
	Context <Cntxt>	[1..1]	±		28
	Transaction <Tx>	[1..1]			31
	TransactionCapture <TxCaptr>	[1..1]	Indicator		35
	TransactionType <TxTp>	[0..1]	CodeSet		35
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		36
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		37
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		37
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		37
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		38
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		38
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		38
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		38
	TransactionIdentification <TxId>	[1..1]	±		38
	OriginalTransaction <OrgnlTx>	[0..1]	±		38
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		39
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		39
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		39
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		40

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionDetails</b> <TxDtls>	[1..1]			40
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	42
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		43
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		43
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		43
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		43
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		44
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		44
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		44
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		44
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		44
	<b>UnattendedLevelCategory</b> <UattnddLvlCtgy>	[0..1]	Text		45
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		45
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			46
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		48
	<b>Conversion</b> <Convs>	[0..1]			48
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		49
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			50
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	50
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		50
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		50
	<b>Name</b> <Nm>	[0..1]	Text		50
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		50
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		51
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		51
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		51
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		51
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			51
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	51
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		52
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		52

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[0..1]	Text		52
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			52
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		52
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		52
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		53
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			53
	<b>Amount</b> <Amt>	[1..1]	Amount		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			53
	<b>Rate</b> <Rate>	[1..1]	Rate		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		54
	<b>Instalment</b> <Instlmt>	[0..*]	±		54
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		55
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		56
	<b>SaleItem</b> <SaleItm>	[0..*]	±		56
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		57
	<b>ReSubmissionCounter</b> <ReSubmissnCntr>	[0..1]	Quantity		57
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			57
	<b>Identification</b> <Id>	[1..1]	Text		58
	<b>Value</b> <Val>	[0..1]	Binary		58
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		58
	<b>Type</b> <Tp>	[0..1]	Text		58
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		58
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		59
	<b>AccountFrom</b> <AcctFr>	[0..1]			59
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		59
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		60
	<b>AccountName</b> <AcctNm>	[0..1]	Text		61
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			61
	<b>Name</b> <Nm>	[1..1]	Text		61



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Address</b> <Adr>	[1..1]	±		61
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	62
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			62
{Or	<b>Card</b> <Card>	[1..1]	Text		63
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		63
Or	<b>EMail</b> <EMail>	[1..1]	Text		63
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	63
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		64
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		64
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		64
Or}	<b>Other</b> <Othr>	[1..1]	Text		64
	<b>Servicer</b> <Svcr>	[0..1]			64
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	64
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		65
	<b>AccountTo</b> <AcctTo>	[0..1]			65
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		66
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		67
	<b>AccountName</b> <AcctNm>	[0..1]	Text		67
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			68
	<b>Name</b> <Nm>	[1..1]	Text		68
	<b>Address</b> <Adr>	[1..1]	±		68
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	68
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			69
{Or	<b>Card</b> <Card>	[1..1]	Text		69
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		69
Or	<b>EMail</b> <EMail>	[1..1]	Text		69
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	69
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		70
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		70
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		70
Or}	<b>Other</b> <Othr>	[1..1]	Text		70

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Servicer</b> <Svcr>	[0..1]			70
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	71
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		71
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		71
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	71
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		72

## 2.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

### C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

### C5 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.

### C6 ValidationByTable

Must be a valid terrestrial language.

### C7 ValidationByTable

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

## 2.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

## 2.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Authorisation request message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		15
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		16
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		17
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		17
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		17
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		17
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		17
	<b>Traceability</b> <Tracblt>	[0..*]	±		18

### 2.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.

CodeName	Name	Definition
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 2.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

### 2.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

### 2.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

### 2.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

### 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 "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

### 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 2.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

#### 2.4.2 AuthorisationRequest <AuthstnReq>

*Presence:* [1..1]

*Definition:* Information related to the authorisation request.

**AuthorisationRequest <AuthstnReq>** contains the following **AcceptorAuthorisationRequest11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		22
	<b>Context</b> <Cntxt>	[1..1]	±		28
	<b>Transaction</b> <Tx>	[1..1]			31
	<b>TransactionCapture</b> <TxCaptr>	[1..1]	Indicator		35
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		35
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		36
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		37
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		37
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		37
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		38
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		38
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		38
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		38
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		38
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		38
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		39
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		39
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		39
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		40
	<b>TransactionDetails</b> <TxDtls>	[1..1]			40
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	42
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		43
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		43
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		43
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		43
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		44
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		44
	<b>InvoiceAmount</b> <InvAmt>	[0..1]	Amount		44
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		44
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		44

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>UnattendedLevelCategory</b> <UatnddLvCtgy>	[0..1]	Text		45
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		45
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			46
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		48
	<b>Conversion</b> <Convs>	[0..1]			48
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		49
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			50
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	50
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		50
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		50
	<b>Name</b> <Nm>	[0..1]	Text		50
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		50
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		51
	<b>InvertedExchangeRate</b> <NvrtedXchgRate>	[0..1]	Rate		51
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		51
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		51
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			51
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	51
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		52
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		52
	<b>Name</b> <Nm>	[0..1]	Text		52
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			52
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		52
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		52
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		53
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			53
	<b>Amount</b> <Amt>	[1..1]	Amount		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			53
	<b>Rate</b> <Rate>	[1..1]	Rate		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		54
	<b>Instalment</b> <Instlmt>	[0..*]	±		54
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		55
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		56
	<b>SaleItem</b> <Saleitm>	[0..*]	±		56
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		57
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		57
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			57
	<b>Identification</b> <Id>	[1..1]	Text		58
	<b>Value</b> <Val>	[0..1]	Binary		58
	<b>ProtectedValue</b> <PrtctdVal>	[0..1]	±		58
	<b>Type</b> <Tp>	[0..1]	Text		58
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		58
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		59
	<b>AccountFrom</b> <AcctFr>	[0..1]			59
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		59
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		60
	<b>AccountName</b> <AcctNm>	[0..1]	Text		61
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			61
	<b>Name</b> <Nm>	[1..1]	Text		61
	<b>Address</b> <Adr>	[1..1]	±		61
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	62
	<b>AccountIdentifier</b> <Acctldr>	[0..1]			62
{Or	<b>Card</b> <Card>	[1..1]	Text		63
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		63
Or	<b>EMail</b> <EMail>	[1..1]	Text		63
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	63
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		64
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		64
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		64
Or}	<b>Other</b> <Othr>	[1..1]	Text		64

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Servicer</b> <Svcr>	[0..1]			64
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	64
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		65
	<b>AccountTo</b> <AcctTo>	[0..1]			65
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		66
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		67
	<b>AccountName</b> <AcctNm>	[0..1]	Text		67
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			68
	<b>Name</b> <Nm>	[1..1]	Text		68
	<b>Address</b> <Adr>	[1..1]	±		68
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	68
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			69
{Or	<b>Card</b> <Card>	[1..1]	Text		69
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		69
Or	<b>EMail</b> <EMail>	[1..1]	Text		69
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	69
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		70
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		70
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		70
Or}	<b>Other</b> <Othr>	[1..1]	Text		70
	<b>Servicer</b> <Svcr>	[0..1]			70
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	71
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		71
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		71
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	71

### 2.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 2.4.2.2 Context <Cntxt>

*Presence:* [1..1]

*Definition:* Context in which the transaction is performed (payment and sale).



**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdntCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

### 2.4.2.3 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Card payment transaction for which the authorisation is requested.

**Transaction <Tx>** contains the following **CardPaymentTransaction119** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionCapture</b> <TxCaptr>	[1..1]	Indicator		35
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		35
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		36
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		37
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		37
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		37
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		38
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		38
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		38
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		38
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		38
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		38
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		39
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		39
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		39
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		40
	<b>TransactionDetails</b> <TxDtls>	[1..1]			40
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	42
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		43
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		43
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		43
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		43
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		44
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		44
	<b>InvoiceAmount</b> <InvAmt>	[0..1]	Amount		44
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		44
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		44
	<b>UnattendedLevelCategory</b> <UatnddLvCtgy>	[0..1]	Text		45
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		45
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			46
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		48

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Conversion</b> <Convs>	[0..1]			48
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		49
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			50
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	50
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		50
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		50
	<b>Name</b> <Nm>	[0..1]	Text		50
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		50
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		51
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		51
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		51
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		51
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			51
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	51
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		52
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		52
	<b>Name</b> <Nm>	[0..1]	Text		52
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			52
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		52
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		52
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		53
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			53
	<b>Amount</b> <Amt>	[1..1]	Amount		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			53
	<b>Rate</b> <Rate>	[1..1]	Rate		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		54
	<b>Instalment</b> <Instlmt>	[0..*]	±		54
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		55
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		56

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleItem</b> <SaleItm>	[0..*]	±		56
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		57
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		57
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			57
	<b>Identification</b> <Id>	[1..1]	Text		58
	<b>Value</b> <Val>	[0..1]	Binary		58
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		58
	<b>Type</b> <Tp>	[0..1]	Text		58
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		58
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		59
	<b>AccountFrom</b> <AcctFr>	[0..1]			59
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		59
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		60
	<b>AccountName</b> <AcctNm>	[0..1]	Text		61
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			61
	<b>Name</b> <Nm>	[1..1]	Text		61
	<b>Address</b> <Adr>	[1..1]	±		61
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	62
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			62
{Or	<b>Card</b> <Card>	[1..1]	Text		63
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		63
Or	<b>EMail</b> <EMail>	[1..1]	Text		63
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	63
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		64
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		64
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		64
Or}	<b>Other</b> <Othr>	[1..1]	Text		64
	<b>Servicer</b> <Svcr>	[0..1]			64
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	64
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		65
	<b>AccountTo</b> <AcctTo>	[0..1]			65

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		66
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		67
	<b>AccountName</b> <AcctNm>	[0..1]	Text		67
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			68
	<b>Name</b> <Nm>	[1..1]	Text		68
	<b>Address</b> <Adr>	[1..1]	±		68
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	68
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			69
{Or	<b>Card</b> <Card>	[1..1]	Text		69
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		69
Or	<b>EMail</b> <EMail>	[1..1]	Text		69
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	69
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		70
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		70
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		70
Or}	<b>Other</b> <Othr>	[1..1]	Text		70
	<b>Servicer</b> <Svcr>	[0..1]			70
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	71
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		71
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		71

#### 2.4.2.3.1 TransactionCapture <TxCaptr>

*Presence:* [1..1]

*Definition:* Flag indicating whether the transaction data must be captured or not in addition to the message process.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 2.4.2.3.2 TransactionType <TxTp>

*Presence:* [0..1]

*Definition:* Type of transaction being undertaken for the main service.

*Datatype:* "CardPaymentServiceType12Code" on page 1357

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

#### 2.4.2.3.3 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.



CodeName	Name	Definition
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 2.4.2.3.4 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 2.4.2.3.5 LastTransactionFlag <LastTxFlg>

*Presence:* [0..1]

*Definition:* Flag indicating processing of the last transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 2.4.2.3.6 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [0..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402

**2.4.2.3.7 CustomerConsent <CstmrCnsnt>**

*Presence:* [0..1]

*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**2.4.2.3.8 CardProgrammeProposed <CardPrgrmmPropsd>**

*Presence:* [0..\*]

*Definition:* The card program proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

*Datatype:* ["Max35Text"](#) on page 1399

**2.4.2.3.9 CardProgrammeApplied <CardPrgrmmApld>**

*Presence:* [0..1]

*Definition:* The card program actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

*Datatype:* ["Max35Text"](#) on page 1399

**2.4.2.3.10 SaleReferenceIdentification <SaleRefId>**

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* ["Max35Text"](#) on page 1399

**2.4.2.3.11 TransactionIdentification <TxId>**

*Presence:* [1..1]

*Definition:* Identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see ["TransactionIdentifier1"](#) on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**2.4.2.3.12 OriginalTransaction <OrgnlTx>**

*Presence:* [0..1]

*Definition:* Identification of the original transaction.

**OriginalTransaction <OrgnITx>** contains the following elements (see ["CardPaymentTransaction122"](#) on page 1089 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIID>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 2.4.2.3.13 InitiatorTransactionIdentification <InitrTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* ["Max35Text"](#) on page 1399

#### 2.4.2.3.14 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* ["Max35Text"](#) on page 1399

#### 2.4.2.3.15 IssuerCITIdentification <IssrCITId>

*Presence:* [0..1]

*Definition:* Identification, given by the Issuer, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* ["Max140Text"](#) on page 1397

**2.4.2.3.16 MerchantCITIdentification <MrchntCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the merchant, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

**2.4.2.3.17 TransactionDetails <TxDtIs>**

*Presence:* [1..1]

*Definition:* Details of the transaction.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	42
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		43
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		43
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		43
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		43
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		44
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		44
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		44
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		44
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		44
	<b>UnattendedLevelCategory</b> <UattnddLvICtgy>	[0..1]	Text		45
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		45
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			46
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		48
	<b>Conversion</b> <Convs>	[0..1]			48
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		49
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			50
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	50
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		50
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		50
	<b>Name</b> <Nm>	[0..1]	Text		50
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		50
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		51
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		51
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		51
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		51
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			51
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	51
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		52
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		52
	<b>Name</b> <Nm>	[0..1]	Text		52

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			52
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		52
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		52
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		53
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			53
	<b>Amount</b> <Amt>	[1..1]	Amount		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			53
	<b>Rate</b> <Rate>	[1..1]	Rate		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		54
	<b>Instalment</b> <Instlmt>	[0..*]	±		54
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		55
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		56
	<b>SaleItem</b> <SaleItm>	[0..*]	±		56
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		57
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		57
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			57
	<b>Identification</b> <Id>	[1..1]	Text		58
	<b>Value</b> <Val>	[0..1]	Binary		58
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		58
	<b>Type</b> <Tp>	[0..1]	Text		58
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		58

#### 2.4.2.3.17.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 2.4.2.3.17.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 2.4.2.3.17.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 2.4.2.3.17.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 2.4.2.3.17.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 2.4.2.3.17.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 2.4.2.3.17.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 2.4.2.3.17.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 2.4.2.3.17.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 2.4.2.3.17.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.



CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

#### 2.4.2.3.17.11 UnattendedLevelCategory <UatndddLvIctgy>

*Presence:* [0..1]

*Definition:* Transaction category level on an unattended POI (Point Of Interaction).

*Datatype:* "Max35NumericText" on page 1399

#### 2.4.2.3.17.12 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.

CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UURL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 2.4.2.3.17.13 CurrencyConversionResult <CcyConvsRslt>

*Presence:* [0..1]

*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		48
	<b>Conversion</b> <Convs>	[0..1]			48
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		49
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			50
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	50
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		50
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		50
	<b>Name</b> <Nm>	[0..1]	Text		50
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		50
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		51
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		51
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		51
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		51
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			51
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	51
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		52
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		52
	<b>Name</b> <Nm>	[0..1]	Text		52
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			52
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		52
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		52
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		53
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			53
	<b>Amount</b> <Amt>	[1..1]	Amount		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			53
	<b>Rate</b> <Rate>	[1..1]	Rate		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		54

**2.4.2.3.17.13.1 AcceptedByCardholder <AccptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**2.4.2.3.17.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		49
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			50
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	50
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		50
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		50
	<b>Name</b> <Nm>	[0..1]	Text		50
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		50
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		51
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		51
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		51
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		51
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			51
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	51
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		52
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		52
	<b>Name</b> <Nm>	[0..1]	Text		52
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			52
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		52
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		52
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		53
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			53
	<b>Amount</b> <Amt>	[1..1]	Amount		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			53
	<b>Rate</b> <Rate>	[1..1]	Rate		53
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		53
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		54

#### 2.4.2.3.17.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**2.4.2.3.17.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	50
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		50
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		50
	<b>Name</b> <Nm>	[0..1]	Text		50

**2.4.2.3.17.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**2.4.2.3.17.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**2.4.2.3.17.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**2.4.2.3.17.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**2.4.2.3.17.13.2.3 ResultingAmount <RsltgAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 2.4.2.3.17.13.2.4 ExchangeRate <XchgRate>

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### 2.4.2.3.17.13.2.5 InvertedExchangeRate <NvrtdXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### 2.4.2.3.17.13.2.6 QuotationDate <QtnDt>

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### 2.4.2.3.17.13.2.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### 2.4.2.3.17.13.2.8 SourceCurrency <SrcCcy>

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	51
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		52
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		52
	<b>Name</b> <Nm>	[0..1]	Text		52

##### 2.4.2.3.17.13.2.8.1 AlphaCode <AlphaCd>

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**2.4.2.3.17.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**2.4.2.3.17.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**2.4.2.3.17.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**2.4.2.3.17.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		52
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		52
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		53

**2.4.2.3.17.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**2.4.2.3.17.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337



**2.4.2.3.17.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**2.4.2.3.17.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		53
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		53

**2.4.2.3.17.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**2.4.2.3.17.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**2.4.2.3.17.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate &lt;Rate&gt;</b>	[1..1]	Rate		53
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		53

**2.4.2.3.17.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**2.4.2.3.17.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1398

#### 2.4.2.3.17.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 2.4.2.3.17.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 2.4.2.3.17.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "[AggregationTransaction3](#)" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 2.4.2.3.17.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "[Max10Text](#)" on page 1396

#### 2.4.2.3.17.17 SaleItem <SaleItm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 2.4.2.3.17.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 2.4.2.3.17.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 2.4.2.3.17.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification</b> <Id>	[1..1]	Text		58
	<b>Value</b> <Val>	[0..1]	Binary		58
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		58
	<b>Type</b> <Tp>	[0..1]	Text		58

#### 2.4.2.3.17.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 2.4.2.3.17.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 2.4.2.3.17.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 2.4.2.3.17.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 2.4.2.3.17.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**2.4.2.3.18 MerchantReferenceData <MrchntRefData>***Presence:* [0..1]*Definition:* Merchant information that must be returned unchanged in the response.*Datatype:* "Max70Text" on page 1400**2.4.2.3.19 AccountFrom <AcctFr>***Presence:* [0..1]*Definition:* Information relevant to the account where the money is taken from.**AccountFrom <AcctFr>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		59
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		60
	<b>AccountName</b> <AcctNm>	[0..1]	Text		61
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			61
	<b>Name</b> <Nm>	[1..1]	Text		61
	<b>Address</b> <Adr>	[1..1]	±		61
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	62
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			62
{Or	<b>Card</b> <Card>	[1..1]	Text		63
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		63
Or	<b>EMail</b> <EMail>	[1..1]	Text		63
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	63
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		64
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		64
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		64
Or}	<b>Other</b> <Othr>	[1..1]	Text		64
	<b>Servicer</b> <Svcr>	[0..1]			64
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	64
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		65

**2.4.2.3.19.1 SelectionMethod <SelctnMtd>***Presence:* [0..1]*Definition:* Method used by the cardholder and the terminal for the choice of the account.*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.
TPSL	TypeSelected	Type of account selected in a list.

#### 2.4.2.3.19.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.



CodeName	Name	Definition
FLTC	FleetCard	Fleet card account.

#### 2.4.2.3.19.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

Usage: The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 2.4.2.3.19.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		61
	<b>Address</b> <Adr>	[1..1]	±		61

##### 2.4.2.3.19.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 2.4.2.3.19.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

#### 2.4.2.3.19.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 2.4.2.3.19.6 AccountIdentifier <AcctIdr>

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>Card</b> <Card>	[1..1]	Text		63
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		63
Or	<b>EEmail</b> <EMail>	[1..1]	Text		63
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	63
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		64
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		64
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		64
Or}	<b>Other</b> <Othr>	[1..1]	Text		64

#### 2.4.2.3.19.6.1 Card <Card>

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

#### 2.4.2.3.19.6.2 MSISDN <MSISDN>

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

#### 2.4.2.3.19.6.3 EMail <EMail>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

#### 2.4.2.3.19.6.4 IBAN <IBAN>

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

**Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

**2.4.2.3.19.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

**2.4.2.3.19.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

**2.4.2.3.19.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

**2.4.2.3.19.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

**2.4.2.3.19.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	64
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		65

**2.4.2.3.19.7.1 AnyBIC <AnyBIC>**

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 2.4.2.3.19.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "[GenericIdentification1](#)" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 2.4.2.3.20 AccountTo <AcctTo>

*Presence:* [0..1]

*Definition:* Information relevant to the account where the money is put.

**AccountTo <AcctTo>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		66
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		67
	<b>AccountName</b> <AcctNm>	[0..1]	Text		67
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			68
	<b>Name</b> <Nm>	[1..1]	Text		68
	<b>Address</b> <Adr>	[1..1]	±		68
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	68
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			69
{Or	<b>Card</b> <Card>	[1..1]	Text		69
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		69
Or	<b>EMail</b> <EMail>	[1..1]	Text		69
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	69
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		70
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		70
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		70
Or}	<b>Other</b> <Othr>	[1..1]	Text		70
	<b>Servicer</b> <Svcr>	[0..1]			70
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	71
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		71

#### 2.4.2.3.20.1 SelectionMethod <SelctnMtd>

*Presence:* [0..1]

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.

CodeName	Name	Definition
TPSL	TypeSelected	Type of account selected in a list.

#### 2.4.2.3.20.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 2.4.2.3.20.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

*Usage:* The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 2.4.2.3.20.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		68
	<b>Address</b> <Adr>	[1..1]	±		68

##### 2.4.2.3.20.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 2.4.2.3.20.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

##### 2.4.2.3.20.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341



**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**2.4.2.3.20.6 AccountIdentifier <AcctIdr>**

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>Card</b> <Card>	[1..1]	Text		69
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		69
Or	<b>EMail</b> <EMail>	[1..1]	Text		69
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	69
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		70
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		70
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		70
Or}	<b>Other</b> <Othr>	[1..1]	Text		70

**2.4.2.3.20.6.1 Card <Card>**

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

**2.4.2.3.20.6.2 MSISDN <MSISDN>**

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

**2.4.2.3.20.6.3 EMail <EMail>**

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

**2.4.2.3.20.6.4 IBAN <IBAN>**

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### **Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### **2.4.2.3.20.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

#### **2.4.2.3.20.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

#### **2.4.2.3.20.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

#### **2.4.2.3.20.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

#### **2.4.2.3.20.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	71
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		71

#### 2.4.2.3.20.7.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

##### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 2.4.2.3.20.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "GenericIdentification1" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 2.4.2.3.21 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* "Max70Text" on page 1400

#### 2.4.2.4 SupplementaryData <SplmtryData>

*Presence:* [0..\*]

*Definition:* Additional information incorporated as an extension to the message.

*Impacted by:* C5 "SupplementaryDataRule"

**SupplementaryData <SplmtryData>** contains the following elements (see "[SupplementaryData1](#)" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

#### 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 "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## **3        caaa.002.001.11           AcceptorAuthorisationResponseV11**

### **3.1      MessageDefinition Functionality**

The AcceptorAuthorisationResponse message is sent by the acquirer (or its agent) to an acceptor (or its agent), to return the result of the validation made by issuer about the payment transaction.

#### Outline

The AcceptorAuthorisationResponseV11 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
    Authorisation response message management information.
- B. AuthorisationResponse  
    Information related to the response of the authorisation.
- 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> <AccptrAuthstnRspn>	[1..1]			
	Header <Hdr>	[1..1]			79
	MessageFunction <MsgFctn>	[1..1]	CodeSet		79
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		81
	ExchangeIdentification <XchgId>	[1..1]	Quantity		81
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		81
	CreationDateTime <CreDtTm>	[1..1]	DateTime		81
	InitiatingParty <InitgPty>	[1..1]	±		81
	RecipientParty <RcptPty>	[0..1]	±		81
	Traceability <Tracblt>	[0..*]	±		82
	AuthorisationResponse <AuthstnRspn>	[1..1]			82
	Environment <Envt>	[1..1]	±		87
	Transaction <Tx>	[1..1]			93
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		96
	TransactionIdentification <TxId>	[1..1]	±		96
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		96
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		96
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		96
	InterchangeData <IntrchgData>	[0..1]	Text		96
	TransactionDetails <TxDtls>	[1..1]			96
	Currency <Ccy>	[0..1]	CodeSet	C1	98
	TotalAmount <TtlAmt>	[1..1]	Amount		99
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		99
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		99
	DetailedAmount <DtldAmt>	[0..1]	±		99
	RequestedAmount <ReqdAmt>	[0..1]	Amount		100
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		100
	InvoiceAmount <InvcAmt>	[0..1]	Amount		100
	ValidityDate <VldtyDt>	[0..1]	Date		100
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		100

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>UnattendedLevelCategory</b> <UatnnddLvlCtgy>	[0..1]	Text		101
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		101
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			102
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		104
	<b>Conversion</b> <Convs>	[0..1]			104
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		105
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			106
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	106
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		106
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		106
	<b>Name</b> <Nm>	[0..1]	Text		106
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		106
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		107
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		107
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		107
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		107
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			107
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	107
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		108
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		108
	<b>Name</b> <Nm>	[0..1]	Text		108
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			108
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		108
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		108
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		109
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			109
	<b>Amount</b> <Amt>	[1..1]	Amount		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			109
	<b>Rate</b> <Rate>	[1..1]	Rate		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		110
	<b>Instalment</b> <Instlmt>	[0..*]	±		110
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		111
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		112
	<b>SaleItem</b> <SaleItm>	[0..*]	±		112
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		113
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		113
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			113
	<b>Identification</b> <Id>	[1..1]	Text		114
	<b>Value</b> <Val>	[0..1]	Binary		114
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		114
	<b>Type</b> <Tp>	[0..1]	Text		114
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		114
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		115
	<b>TransactionResponse</b> <TxRspn>	[1..1]			115
	<b>AuthorisationResult</b> <AuthstnRslt>	[1..1]			118
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		118
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			118
	<b>Response</b> <Rspn>	[1..1]	CodeSet		119
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		119
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		119
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		119
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		119
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			120
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		120
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		120
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		120
	<b>TransactionVerificationResult</b> <TxVrfctnRslt>	[0..*]			120
	<b>Method</b> <Mtd>	[1..1]	CodeSet		121
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		122
	<b>Result</b> <Rslt>	[0..1]	CodeSet		122



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		122
	<b>AllowedProductCode</b> <AllwdPdctCd>	[0..*]			123
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		123
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		123
	<b>NotAllowedProductCode</b> <NotAllwdPdctCd>	[0..*]			123
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		123
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		123
	<b>AdditionalAvailableProduct</b> <AddtlAvlblPdct>	[0..*]			123
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		124
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		124
	<b>AmountLimit</b> <AmtLmt>	[0..1]	Amount		124
	<b>QuantityLimit</b> <QtyLmt>	[0..1]	Quantity		124
	<b>UnitOfMeasure</b> <UnitOfMeasr>	[0..1]	CodeSet		124
	<b>Balance</b> <Bal>	[0..1]	±		126
	<b>ProtectedBalance</b> <PrctdBal>	[0..1]	±		126
	<b>Action</b> <Actn>	[0..*]			127
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		127
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		128
	<b>CurrencyConversionEligibility</b> <CcyConvslgblty>	[0..1]			128
	<b>CurrencyConversionIdentification</b> <CcyConvslld>	[0..1]	Text		129
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			130
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	130
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		130
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		130
	<b>Name</b> <Nm>	[0..1]	Text		130
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		131
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		131
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		131
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		131
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		131
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			131

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	131
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		132
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		132
	<b>Name</b> <Nm>	[0..1]	Text		132
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			132
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		132
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		132
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		133
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			133
	<b>Amount</b> <Amt>	[1..1]	Amount		133
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		133
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			133
	<b>Rate</b> <Rate>	[1..1]	Rate		133
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		134
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		134
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C3	134
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		135

### 3.3 Constraints

#### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

#### C3 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.

#### C4 ValidationByTable

Must be a valid terrestrial language.

**C5 ValidationByTable**

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

## 3.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 3.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Authorisation response message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		79
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		81
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		81
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntnr>	[0..1]	Text		81
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		81
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		81
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		81
	<b>Traceability</b> <Tracblt>	[0..*]	±		82

#### 3.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.

CodeName	Name	Definition
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.

CodeName	Name	Definition
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

### 3.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

### 3.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

### 3.4.1.4 ReTransmissionCounter <ReTrnsmssnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

### 3.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

### 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 "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

### 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

### 3.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 3.4.2 AuthorisationResponse <AuthstnRspn>

*Presence:* [1..1]

*Definition:* Information related to the response of the authorisation.

**AuthorisationResponse <AuthstnRspn>** contains the following **AcceptorAuthorisationResponse11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		87
	<b>Transaction</b> <Tx>	[1..1]			93
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		96
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		96
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		96
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		96
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		96
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		96
	<b>TransactionDetails</b> <TxDtls>	[1..1]			96
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	98
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		99
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		99
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		99
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		99
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		100
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		100
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		100
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		100
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		100
	<b>UnattendedLevelCategory</b> <UattnddLvCtgy>	[0..1]	Text		101
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		101
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			102
	<b>AcceptedByCardholder</b> <AcptdByCrdhlr>	[0..1]	Indicator		104
	<b>Conversion</b> <Convs>	[0..1]			104
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		105
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			106
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	106
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		106
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		106
	<b>Name</b> <Nm>	[0..1]	Text		106

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		106
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		107
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		107
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		107
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		107
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			107
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	107
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		108
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		108
	<b>Name</b> <Nm>	[0..1]	Text		108
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			108
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		108
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		108
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		109
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			109
	<b>Amount</b> <Amt>	[1..1]	Amount		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			109
	<b>Rate</b> <Rate>	[1..1]	Rate		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		110
	<b>Instalment</b> <Instlmt>	[0..*]	±		110
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		111
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		112
	<b>SaleItem</b> <Saleitm>	[0..*]	±		112
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		113
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		113
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			113
	<b>Identification</b> <Id>	[1..1]	Text		114
	<b>Value</b> <Val>	[0..1]	Binary		114
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		114



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Type</b> <Tp>	[0..1]	Text		114
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		114
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		115
	<b>TransactionResponse</b> <TxRspn>	[1..1]			115
	<b>AuthorisationResult</b> <AuthstnRslt>	[1..1]			118
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		118
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			118
	<b>Response</b> <Rspn>	[1..1]	CodeSet		119
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		119
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		119
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		119
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		119
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			120
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		120
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		120
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		120
	<b>TransactionVerificationResult</b> <TxVrfctnRslt>	[0..*]			120
	<b>Method</b> <Mtd>	[1..1]	CodeSet		121
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		122
	<b>Result</b> <Rslt>	[0..1]	CodeSet		122
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		122
	<b>AllowedProductCode</b> <AllwdPdctCd>	[0..*]			123
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		123
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		123
	<b>NotAllowedProductCode</b> <NotAllwdPdctCd>	[0..*]			123
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		123
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		123
	<b>AdditionalAvailableProduct</b> <AddtlAvlblPdct>	[0..*]			123
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		124
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		124
	<b>AmountLimit</b> <AmtLmt>	[0..1]	Amount		124

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>QuantityLimit</b> <QtyLmt>	[0..1]	Quantity		124
	<b>UnitOfMeasure</b> <UnitOfMeasr>	[0..1]	CodeSet		124
	<b>Balance</b> <Bal>	[0..1]	±		126
	<b>ProtectedBalance</b> <PrctdBal>	[0..1]	±		126
	<b>Action</b> <Actn>	[0..*]			127
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		127
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		128
	<b>CurrencyConversionEligibility</b> <CcyConvsElgblty>	[0..1]			128
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		129
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			130
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	130
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		130
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		130
	<b>Name</b> <Nm>	[0..1]	Text		130
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		131
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		131
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		131
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		131
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		131
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			131
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	131
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		132
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		132
	<b>Name</b> <Nm>	[0..1]	Text		132
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			132
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		132
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		132
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		133
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			133
	<b>Amount</b> <Amt>	[1..1]	Amount		133
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		133

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			133
	<b>Rate</b> <Rate>	[1..1]	Rate		133
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		134
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		134
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C3	134

### 3.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BllgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

### 3.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Authorisation of a card payment transaction between an acceptor and an acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransaction121** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		96
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		96
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		96
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		96
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		96
	<b>InterchangeData</b> <IntrchgData>	[0..1]	Text		96
	<b>TransactionDetails</b> <TxDtls>	[1..1]			96
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	98
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		99
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		99
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		99
	<b>DetailedAmount</b> <DtlAmt>	[0..1]	±		99
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		100
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		100
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		100
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		100
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		100
	<b>UnattendedLevelCategory</b> <UatnddLvlCtgy>	[0..1]	Text		101
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		101
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			102
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		104
	<b>Conversion</b> <Convs>	[0..1]			104
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		105
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			106
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	106
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		106
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		106
	<b>Name</b> <Nm>	[0..1]	Text		106
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		106
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		107
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		107

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		107
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		107
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			107
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	107
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		108
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		108
	<b>Name</b> <Nm>	[0..1]	Text		108
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			108
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		108
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		108
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		109
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			109
	<b>Amount</b> <Amt>	[1..1]	Amount		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			109
	<b>Rate</b> <Rate>	[1..1]	Rate		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		110
	<b>Instalment</b> <Instlmt>	[0..*]	±		110
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		111
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		112
	<b>SaleItem</b> <SaleItm>	[0..*]	±		112
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		113
	<b>ReSubmissionCounter</b> <ReSubmissnCntr>	[0..1]	Quantity		113
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			113
	<b>Identification</b> <Id>	[1..1]	Text		114
	<b>Value</b> <Val>	[0..1]	Binary		114
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		114
	<b>Type</b> <Tp>	[0..1]	Text		114
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		114
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		115

**3.4.2.2.1 SaleReferenceIdentification <SaleRefId>***Presence:* [0..1]*Definition:* Global reference of the sale transaction for the sale system.*Datatype:* "Max35Text" on page 1399**3.4.2.2.2 TransactionIdentification <TxId>***Presence:* [1..1]*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).**TransactionIdentification <TxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**3.4.2.2.3 InitiatorTransactionIdentification <InitrTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.*Datatype:* "Max35Text" on page 1399**3.4.2.2.4 RecipientTransactionIdentification <RcptTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.*Datatype:* "Max140Text" on page 1397**3.4.2.2.5 ReconciliationIdentification <RcncltnId>***Presence:* [0..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.*Datatype:* "Max35Text" on page 1399**3.4.2.2.6 InterchangeData <IntrchgData>***Presence:* [0..1]*Definition:* Interchange information related to the card scheme.*Datatype:* "Max140Text" on page 1397**3.4.2.2.7 TransactionDetails <TxDtIs>***Presence:* [1..1]*Definition:* Detail of the transaction transported.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	98
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		99
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		99
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		99
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		99
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		100
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		100
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		100
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		100
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		100
	<b>UnattendedLevelCategory</b> <UattnddLvltCtgy>	[0..1]	Text		101
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		101
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			102
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		104
	<b>Conversion</b> <Convs>	[0..1]			104
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		105
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			106
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	106
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		106
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		106
	<b>Name</b> <Nm>	[0..1]	Text		106
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		106
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		107
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		107
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		107
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		107
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			107
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	107
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		108
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		108
	<b>Name</b> <Nm>	[0..1]	Text		108

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			108
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		108
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		108
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		109
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			109
	<b>Amount</b> <Amt>	[1..1]	Amount		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			109
	<b>Rate</b> <Rate>	[1..1]	Rate		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		110
	<b>Instalment</b> <Instlmt>	[0..*]	±		110
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		111
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		112
	<b>SaleItem</b> <Saleitm>	[0..*]	±		112
	<b>DeliveryLocation</b> <DivryLctn>	[0..1]	Text		113
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		113
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			113
	<b>Identification</b> <Id>	[1..1]	Text		114
	<b>Value</b> <Val>	[0..1]	Binary		114
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		114
	<b>Type</b> <Tp>	[0..1]	Text		114
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		114

#### 3.4.2.2.7.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 3.4.2.2.7.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 3.4.2.2.7.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 3.4.2.2.7.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 3.4.2.2.7.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtIdAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 3.4.2.2.7.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 3.4.2.2.7.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 3.4.2.2.7.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 3.4.2.2.7.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 3.4.2.2.7.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.



CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

**3.4.2.2.7.11 UnattendedLevelCategory <UatndddLvlCtgy>***Presence:* [0..1]*Definition:* Transaction category level on an unattended POI (Point Of Interaction).*Datatype:* "Max35NumericText" on page 1399**3.4.2.2.7.12 AccountType <AcctTp>***Presence:* [0..1]*Definition:* Type of cardholder account used for the transaction.*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.

CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UURL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

**3.4.2.2.7.13 CurrencyConversionResult <CcyConvsRslt>***Presence:* [0..1]*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		104
	<b>Conversion</b> <Convs>	[0..1]			104
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		105
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			106
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	106
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		106
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		106
	<b>Name</b> <Nm>	[0..1]	Text		106
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		106
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		107
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		107
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		107
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		107
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			107
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	107
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		108
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		108
	<b>Name</b> <Nm>	[0..1]	Text		108
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			108
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		108
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		108
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		109
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			109
	<b>Amount</b> <Amt>	[1..1]	Amount		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			109
	<b>Rate</b> <Rate>	[1..1]	Rate		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		110

**3.4.2.2.7.13.1 AcceptedByCardholder <AccptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**3.4.2.2.7.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		105
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			106
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	106
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		106
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		106
	<b>Name</b> <Nm>	[0..1]	Text		106
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		106
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		107
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		107
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		107
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		107
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			107
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	107
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		108
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		108
	<b>Name</b> <Nm>	[0..1]	Text		108
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			108
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		108
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		108
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		109
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			109
	<b>Amount</b> <Amt>	[1..1]	Amount		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			109
	<b>Rate</b> <Rate>	[1..1]	Rate		109
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		109
	<b>DeclarationDetails</b> <DclrnDtls>	[0..*]	±		110

### 3.4.2.2.7.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**3.4.2.2.7.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	106
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		106
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		106
	<b>Name</b> <Nm>	[0..1]	Text		106

**3.4.2.2.7.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**3.4.2.2.7.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**3.4.2.2.7.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**3.4.2.2.7.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**3.4.2.2.7.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 3.4.2.2.7.13.2.4 ExchangeRate <XchgRate>

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### 3.4.2.2.7.13.2.5 InvertedExchangeRate <NvrtdXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### 3.4.2.2.7.13.2.6 QuotationDate <QtnDt>

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### 3.4.2.2.7.13.2.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### 3.4.2.2.7.13.2.8 SourceCurrency <SrcCcy>

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	107
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		108
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		108
	<b>Name</b> <Nm>	[0..1]	Text		108

##### 3.4.2.2.7.13.2.8.1 AlphaCode <AlphaCd>

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**3.4.2.2.7.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**3.4.2.2.7.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**3.4.2.2.7.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**3.4.2.2.7.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		108
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		108
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		109

**3.4.2.2.7.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**3.4.2.2.7.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337



**3.4.2.2.7.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**3.4.2.2.7.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		109
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		109

**3.4.2.2.7.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**3.4.2.2.7.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**3.4.2.2.7.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate &lt;Rate&gt;</b>	[1..1]	Rate		109
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		109

**3.4.2.2.7.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**3.4.2.2.7.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1398

### 3.4.2.2.7.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCdBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCdVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCdNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCdErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

### 3.4.2.2.7.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

### 3.4.2.2.7.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "AggregationTransaction3" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 3.4.2.2.7.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "Max10Text" on page 1396

#### 3.4.2.2.7.17 SaleItem <SaleItm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 3.4.2.2.7.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 3.4.2.2.7.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 3.4.2.2.7.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification</b> <Id>	[1..1]	Text		114
	<b>Value</b> <Val>	[0..1]	Binary		114
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		114
	<b>Type</b> <Tp>	[0..1]	Text		114

#### 3.4.2.2.7.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 3.4.2.2.7.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 3.4.2.2.7.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 3.4.2.2.7.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 3.4.2.2.7.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**3.4.2.2.8 MerchantReferenceData <MrchntRefData>**

*Presence:* [0..1]

*Definition:* Merchant related information provided in the request.

*Datatype:* "Max70Text" on page 1400

**3.4.2.3 TransactionResponse <TxRspn>**

*Presence:* [1..1]

*Definition:* Authorisation response from the acquirer.

Authorisation of a card payment transaction between an acceptor and an acquirer.

**TransactionResponse <TxRspn>** contains the following **CardPaymentTransaction114** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationResult</b> <AuthstnRslt>	[1..1]			118
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		118
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			118
	<b>Response</b> <Rspn>	[1..1]	CodeSet		119
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		119
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		119
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		119
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		119
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			120
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		120
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		120
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		120
	<b>TransactionVerificationResult</b> <TxVrfctnRslt>	[0..*]			120
	<b>Method</b> <Mtd>	[1..1]	CodeSet		121
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		122
	<b>Result</b> <Rslt>	[0..1]	CodeSet		122
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		122
	<b>AllowedProductCode</b> <AllwdPdctCd>	[0..*]			123
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		123
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		123
	<b>NotAllowedProductCode</b> <NotAllwdPdctCd>	[0..*]			123
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		123
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		123
	<b>AdditionalAvailableProduct</b> <AddtlAvlblPdct>	[0..*]			123
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		124
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		124
	<b>AmountLimit</b> <AmtLmt>	[0..1]	Amount		124
	<b>QuantityLimit</b> <QtyLmt>	[0..1]	Quantity		124
	<b>UnitOfMeasure</b> <UnitOfMeasr>	[0..1]	CodeSet		124
	<b>Balance</b> <Bal>	[0..1]	±		126
	<b>ProtectedBalance</b> <PrctcdBal>	[0..1]	±		126



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Action</b> <Actn>	[0..*]			127
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		127
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		128
	<b>CurrencyConversionEligibility</b> <CcyConvsElgbty>	[0..1]			128
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		129
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			130
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	130
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		130
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		130
	<b>Name</b> <Nm>	[0..1]	Text		130
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		131
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		131
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		131
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		131
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		131
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			131
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	131
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		132
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		132
	<b>Name</b> <Nm>	[0..1]	Text		132
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			132
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		132
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		132
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		133
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			133
	<b>Amount</b> <Amt>	[1..1]	Amount		133
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		133
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			133
	<b>Rate</b> <Rate>	[1..1]	Rate		133
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		134
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		134

**3.4.2.3.1 AuthorisationResult <AuthstnRslt>***Presence:* [1..1]*Definition:* Outcome of the authorisation, and actions to perform.**AuthorisationResult <AuthstnRslt>** contains the following **AuthorisationResult17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		118
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			118
	<b>Response</b> <Rspn>	[1..1]	CodeSet		119
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		119
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		119
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		119
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		119
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			120
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		120
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		120
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		120

**3.4.2.3.1.1 AuthorisationEntity <AuthstnNtty>***Presence:* [0..1]*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

**3.4.2.3.1.2 ResponseToAuthorisation <RspnToAuthstn>***Presence:* [1..1]*Definition:* Response to an authorisation request.

**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		119
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		119
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		119

#### 3.4.2.3.1.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the transaction.

*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 3.4.2.3.1.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

#### 3.4.2.3.1.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information on the response for further examination.

*Datatype:* "Max140Text" on page 1397

#### 3.4.2.3.1.3 AuthorisationCode <AuthstnCd>

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1401

#### 3.4.2.3.1.4 CompletionRequired <CmpltnReqrd>

*Presence:* [0..1]

*Definition:* Indicates whether the acquirer requires a further exchange completion after the completion of the transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 3.4.2.3.1.5 TMSTrigger <TMSTrggr>

*Presence:* [0..1]

*Definition:* Instructs the point of interaction (POI) how to contact the host to initiate the maintenance of the terminal.

**TMSTrigger <TMSTrggr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		120
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		120
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		120

##### 3.4.2.3.1.5.1 TMSContactLevel <TMSCtctLvl>

*Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

##### 3.4.2.3.1.5.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

##### 3.4.2.3.1.5.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODateTime" on page 1392

#### 3.4.2.3.2 TransactionVerificationResult <TxVrfctnRsIt>

*Presence:* [0..\*]

*Definition:* Result of the verifications performed by the issuer to deliver or decline the authorisation.

**TransactionVerificationResult <TxVrfctnRsIt>** contains the following  
**TransactionVerificationResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Method</b> <Mtd>	[1..1]	CodeSet		121
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		122
	<b>Result</b> <RsIt>	[0..1]	CodeSet		122
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		122

#### 3.4.2.3.2.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod6Code" on page 1350

CodeName	Name	Definition
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
PPSG	PaperSignature	Handwritten paper signature.
PSWD	Password	Authentication by a password.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
ADDB	BillingAddressVerification	Cardholder billing address verification.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
MANU	ManualVerification	Manual verification, for example passport or drivers license.

CodeName	Name	Definition
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

**3.4.2.3.2.2 VerificationEntity <VrfctnNtty>***Presence:* [0..1]*Definition:* Entity or device that has performed the verification.*Datatype:* "AuthenticationEntity2Code" on page 1350

CodeName	Name	Definition
ICCD	ICC	Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification.
AGNT	AuthorisedAgent	Authorisation agent of the issuer.
MERC	Merchant	Merchant (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

**3.4.2.3.2.3 Result <Rslt>***Presence:* [0..1]*Definition:* Result of the verification.*Datatype:* "Verification1Code" on page 1391

CodeName	Name	Definition
FAIL	Failed	Verification failed.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

**3.4.2.3.2.4 AdditionalResult <AddtlRslt>***Presence:* [0..1]*Definition:* Additional result of the verification.*Datatype:* "Max500Text" on page 1400

**3.4.2.3.3 AllowedProductCode <AllwdPdctCd>***Presence:* [0..\*]*Definition:* Product code which are allowed by the payment card.**AllowedProductCode <AllwdPdctCd>** contains the following **Product4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		123
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		123

**3.4.2.3.3.1 ProductCode <PdctCd>***Presence:* [1..1]*Definition:* Product code.*Datatype:* "Max70Text" on page 1400**3.4.2.3.3.2 AdditionalProductCode <AddtlPdctCd>***Presence:* [0..1]*Definition:* Additional product code related to the product.*Datatype:* "Max70Text" on page 1400**3.4.2.3.4 NotAllowedProductCode <NotAllwdPdctCd>***Presence:* [0..\*]*Definition:* Product code not allowed by the payment card.**NotAllowedProductCode <NotAllwdPdctCd>** contains the following **Product4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		123
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		123

**3.4.2.3.4.1 ProductCode <PdctCd>***Presence:* [1..1]*Definition:* Product code.*Datatype:* "Max70Text" on page 1400**3.4.2.3.4.2 AdditionalProductCode <AddtlPdctCd>***Presence:* [0..1]*Definition:* Additional product code related to the product.*Datatype:* "Max70Text" on page 1400**3.4.2.3.5 AdditionalAvailableProduct <AddtlAvlblPdct>***Presence:* [0..\*]*Definition:* Products that may be added to the purchase after the authorisation.

**AdditionalAvailableProduct <AddtlAvlblPdct>** contains the following **Product5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ProductCode</b> <PdctCd>	[1..1]	Text		124
	<b>AdditionalProductCode</b> <AddtlPdctCd>	[0..1]	Text		124
	<b>AmountLimit</b> <AmtLmt>	[0..1]	Amount		124
	<b>QuantityLimit</b> <QtyLmt>	[0..1]	Quantity		124
	<b>UnitOfMeasure</b> <UnitOfMeasr>	[0..1]	CodeSet		124

#### 3.4.2.3.5.1 ProductCode <PdctCd>

*Presence:* [1..1]

*Definition:* Product code of the item.

*Datatype:* "Max70Text" on page 1400

#### 3.4.2.3.5.2 AdditionalProductCode <AddtlPdctCd>

*Presence:* [0..1]

*Definition:* Additional product code related to the product.

*Datatype:* "Max70Text" on page 1400

#### 3.4.2.3.5.3 AmountLimit <AmtLmt>

*Presence:* [0..1]

*Definition:* Amount limit for the product.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 3.4.2.3.5.4 QuantityLimit <QtyLmt>

*Presence:* [0..1]

*Definition:* Quantity limit for the product.

*Datatype:* "DecimalNumber" on page 1394

#### 3.4.2.3.5.5 UnitOfMeasure <UnitOfMeasr>

*Presence:* [0..1]

*Definition:* Unit of measure of the item purchased.

*Datatype:* "UnitOfMeasure6Code" on page 1389

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.



CodeName	Name	Definition
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
INCH	Inch	Measure of length equal to 2.54 cm.
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.

CodeName	Name	Definition
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.
KWHO	KilowattHours	Unit of measure that is equal to the power consumption of one kilowatt during one hour.
DGEU	DieselGallonEquivalent	Amount of fuel alternative equal to one gallon of diesel.
GGEU	GasolineGallonEquivalent	Amount of fuel alternative equal to one gallon of gasoline.

#### 3.4.2.3.6 Balance <Bal>

*Presence:* [0..1]

*Definition:* Balance and currency code of the account, related to the payment.

**Balance <Bal>** contains the following elements (see "[AmountAndDirection93](#)" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[1..1]	CodeSet	C1	857
	Sign <Sgn>	[0..1]	Indicator		858

#### 3.4.2.3.7 ProtectedBalance <PrctcdBal>

*Presence:* [0..1]

*Definition:* Encrypted balance of the account.

**ProtectedBalance <PrctcdBal>** contains the following elements (see "[ContentInformationType32](#)" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

**3.4.2.3.8 Action <Actn>***Presence:* [0..\*]*Definition:* Set of actions to be performed by the POI (Point Of Interaction) system.**Action <Actn>** contains the following **Action12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		127
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		128

**3.4.2.3.8.1 ActionType <ActnTp>***Presence:* [1..1]*Definition:* Type of action to be performed by the POI (Point Of Interaction) system.*Datatype:* "ActionType12Code" on page 1340

CodeName	Name	Definition
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
NOVR	ForbidOverride	Payment application cannot propose to the merchant an override of the payment transaction.
RQID	IdentificationRequired	Additional identification required (passport, ID card, etc.).
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
PRNT	PrintMessage	Print a message.
RFRL	Referral	Referral has to be performed.
RQDT	RequestData	Request additional data through a displayed text and request confirmation by an attendant.
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FLFW	FallForward	Fall-forward from contactless to chip card transaction required.
PINQ	PINRequest	Request Cardholder Authentication through PIN insertion.
CDCV	ConsumerDeviceCardholderVerificationMethod	Request Cardholder Authentication according to the ConsumerDeviceCardholderVerification Method.
CHDA	CardholderAuthentication	Additional authentication of cardholder required.

CodeName	Name	Definition
STAR	StopAllRecurring	Recurring transactions is no more allowed for this card and for all merchants.
STOR	StopOneRecurring	Cardholder has revoked this recurring transaction for this merchant.

#### 3.4.2.3.8.2 MessageToPresent <MsgToPres>

*Presence:* [0..1]

*Definition:* Message to be displayed to the cardholder or the cashier.

**MessageToPresent <MsgToPres>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrCdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrCdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 3.4.2.3.9 CurrencyConversionEligibility <CcyConvslgblty>

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a card issuer, provided by a dedicated service provider. The currency conversion has to be proposed to the cardholder.

**CurrencyConversionEligibility <CcyConvslElgblty>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification &lt;CcyConvslId&gt;</b>	[0..1]	Text		129
	<b>TargetCurrency &lt;TrgtCcy&gt;</b>	[1..1]			130
	<b>AlphaCode &lt;AlphaCd&gt;</b>	[1..1]	CodeSet	C1	130
	<b>NumericCode &lt;NmrcCd&gt;</b>	[1..1]	Text		130
	<b>Decimal &lt;Dcml&gt;</b>	[1..1]	Quantity		130
	<b>Name &lt;Nm&gt;</b>	[0..1]	Text		130
	<b>ResultingAmount &lt;RsltAmt&gt;</b>	[1..1]	Amount		131
	<b>ExchangeRate &lt;XchgRate&gt;</b>	[1..1]	Rate		131
	<b>InvertedExchangeRate &lt;NvrtdXchgRate&gt;</b>	[0..1]	Rate		131
	<b>QuotationDate &lt;QtnDt&gt;</b>	[0..1]	DateTime		131
	<b>ValidUntil &lt;VldUntil&gt;</b>	[0..1]	DateTime		131
	<b>SourceCurrency &lt;SrcCcy&gt;</b>	[1..1]			131
	<b>AlphaCode &lt;AlphaCd&gt;</b>	[0..1]	CodeSet	C1	131
	<b>NumericCode &lt;NmrcCd&gt;</b>	[0..1]	Text		132
	<b>Decimal &lt;Dcml&gt;</b>	[0..1]	Quantity		132
	<b>Name &lt;Nm&gt;</b>	[0..1]	Text		132
	<b>OriginalAmount &lt;OrgnlAmt&gt;</b>	[1..1]			132
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		132
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		132
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		133
	<b>CommissionDetails &lt;ComssnDtls&gt;</b>	[0..*]			133
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		133
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		133
	<b>MarkUpDetails &lt;MrkUpDtls&gt;</b>	[0..*]			133
	<b>Rate &lt;Rate&gt;</b>	[1..1]	Rate		133
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		134
	<b>DeclarationDetails &lt;DclrtnDtls&gt;</b>	[0..*]	±		134

### 3.4.2.3.9.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

### 3.4.2.3.9.2 TargetCurrency <TrgtCcy>

*Presence:* [1..1]

*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).

**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	130
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		130
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		130
	<b>Name</b> <Nm>	[0..1]	Text		130

#### 3.4.2.3.9.2.1 AlphaCode <AlphaCd>

*Presence:* [1..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 3.4.2.3.9.2.2 NumericCode <NmrcCd>

*Presence:* [1..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

#### 3.4.2.3.9.2.3 Decimal <Dcml>

*Presence:* [1..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

#### 3.4.2.3.9.2.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**3.4.2.3.9.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**3.4.2.3.9.4 ExchangeRate <XchgRate>***Presence:* [1..1]*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.*Datatype:* "PercentageRate" on page 1395**3.4.2.3.9.5 InvertedExchangeRate <NvrtXchgRate>***Presence:* [0..1]*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.*Datatype:* "PercentageRate" on page 1395**3.4.2.3.9.6 QuotationDate <QtnDt>***Presence:* [0..1]*Definition:* Date and time at which the exchange rate has been quoted.*Datatype:* "ISODateTime" on page 1392**3.4.2.3.9.7 ValidUntil <VldUntil>***Presence:* [0..1]*Definition:* Validity limit of the exchange rate.*Datatype:* "ISODateTime" on page 1392**3.4.2.3.9.8 SourceCurrency <SrcCcy>***Presence:* [1..1]*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	131
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		132
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		132
	<b>Name</b> <Nm>	[0..1]	Text		132

**3.4.2.3.9.8.1 AlphaCode <AlphaCd>***Presence:* [0..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 3.4.2.3.9.8.2 NumericCode <NmrcCd>

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

#### 3.4.2.3.9.8.3 Decimal <Dcml>

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

#### 3.4.2.3.9.8.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

#### 3.4.2.3.9.9 OriginalAmount <OrgnlAmt>

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		132
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		132
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		133

#### 3.4.2.3.9.9.1 ActualAmount <ActlAmt>

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 3.4.2.3.9.9.2 MinimumAmount <MinAmt>

*Presence:* [0..1]



*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

### 3.4.2.3.9.9.3 MaximumAmount <MaxAmt>

*Presence:* [0..1]

*Definition:* Maximum amount for conversion (in case of range of amounts).

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

### 3.4.2.3.9.10 CommissionDetails <ComssnDtls>

*Presence:* [0..\*]

*Definition:* Commission or additional charges made as part of a currency conversion.

**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[1..1]	Amount		133
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		133

#### 3.4.2.3.9.10.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Commission expressed as an amount of money.

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

#### 3.4.2.3.9.10.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information about the type of commission.

*Datatype:* ["Max350Text" on page 1398](#)

### 3.4.2.3.9.11 MarkupDetails <MrkUpDtls>

*Presence:* [0..\*]

*Definition:* Markup made as part of a currency conversion.

**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate</b> <Rate>	[1..1]	Rate		133
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		134

#### 3.4.2.3.9.11.1 Rate <Rate>

*Presence:* [1..1]

*Definition:* Commission expressed as a percentage.

*Datatype:* ["PercentageRate" on page 1395](#)

**3.4.2.3.9.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.*Datatype:* "Max350Text" on page 1398**3.4.2.3.9.12 DeclarationDetails <DclrtnDtls>***Presence:* [0..\*]*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

**3.4.2.4 SupplementaryData <SplmtryData>***Presence:* [0..\*]*Definition:* Additional information incorporated as an extension to the message.*Impacted by:* C3 "SupplementaryDataRule"**SupplementaryData <SplmtryData>** contains the following elements (see "SupplementaryData1" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

**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 "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## 4 caaa.003.001.11 AcceptorCompletionAdviceV11

### 4.1 MessageDefinition Functionality

The AcceptorCompletionAdvice message is sent by an acceptor (or its agent) to notify the acquirer (or its agent) of the outcome of the payment at the acceptor, and to transfer the financial data of the transaction to the acquirer (capture).

A AcceptorCompletionAdvice message is also sent to reverse an approved authorisation and any associated financial transfer (capture), if the card payment transaction could not be completed successfully.

#### Outline

The AcceptorCompletionAdviceV11 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Completion advice message management information.
- B. CompletionAdvice  
Information related to the completion advice.
- 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> <AccptrCmpltnAdv>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			142
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		143
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		144
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		144
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		144
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		144
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		144
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		145
	<b>Traceability</b> <Tracblt>	[0..*]	±		145
	<b>CompletionAdvice</b> <CmpltnAdv>	[1..1]			146
	<b>Environment</b> <Envt>	[1..1]	±		151
	<b>Context</b> <Cntxt>	[0..1]	±		157
	<b>Transaction</b> <Tx>	[1..1]			160
	<b>TransactionCapture</b> <TxCaptr>	[0..1]	Indicator		165
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		165
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		166
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		166
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		167
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		167
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		167
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		167
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		167
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		168
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		168
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		168
	<b>TransactionSuccess</b> <TxSucss>	[1..1]	Indicator		169
	<b>Reversal</b> <Rvsl>	[0..1]	Indicator		169
	<b>MerchantOverride</b> <MrchntOvrrd>	[0..1]	Indicator		170
	<b>FailureReason</b> <FailrRsn>	[0..*]	CodeSet		170

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		170
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		171
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		171
	<b>InterchangeData</b> <IntrchgData>	[0..1]	Text		171
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		171
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		171
	<b>TransactionDetails</b> <TxDtls>	[1..1]			171
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	173
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		174
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		174
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		174
	<b>DetailedAmount</b> <DtlAmt>	[0..1]	±		174
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		175
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		175
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		175
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		175
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		175
	<b>UnattendedLevelCategory</b> <UattnddLvCtgy>	[0..1]	Text		176
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		176
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			177
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		179
	<b>Conversion</b> <Convs>	[0..1]			179
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		180
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			181
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	181
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		181
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		181
	<b>Name</b> <Nm>	[0..1]	Text		181
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		181
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		182
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		182

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		182
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		182
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			182
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	182
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		183
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		183
	<b>Name</b> <Nm>	[0..1]	Text		183
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			183
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		183
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		183
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		184
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			184
	<b>Amount</b> <Amt>	[1..1]	Amount		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			184
	<b>Rate</b> <Rate>	[1..1]	Rate		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		185
	<b>Instalment</b> <Instlmt>	[0..*]	±		185
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		186
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		187
	<b>SaleItem</b> <Saleitm>	[0..*]	±		187
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		188
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		188
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			188
	<b>Identification</b> <Id>	[1..1]	Text		189
	<b>Value</b> <Val>	[0..1]	Binary		189
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		189
	<b>Type</b> <Tp>	[0..1]	Text		189
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		189
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			190

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		190
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			190
	<b>Response</b> <Rspn>	[1..1]	CodeSet		191
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		191
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		191
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		191
	<b>TransactionVerificationResult</b> <TxVrfctnRslt>	[0..*]			191
	<b>Method</b> <Mtd>	[1..1]	CodeSet		192
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		192
	<b>Result</b> <Rslt>	[0..1]	CodeSet		193
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		193
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		193
	<b>AccountFrom</b> <AcctFr>	[0..1]			193
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		194
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		195
	<b>AccountName</b> <AcctNm>	[0..1]	Text		195
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			196
	<b>Name</b> <Nm>	[1..1]	Text		196
	<b>Address</b> <Adr>	[1..1]	±		196
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	196
	<b>AccountIdentifier</b> <Acctldr>	[0..1]			197
{Or	<b>Card</b> <Card>	[1..1]	Text		197
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		197
Or	<b>EMail</b> <EMail>	[1..1]	Text		197
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	197
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		198
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		198
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		198
Or}	<b>Other</b> <Othr>	[1..1]	Text		198
	<b>Servicer</b> <Svcr>	[0..1]			198
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	199



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		199
	<b>AccountTo</b> <AcctTo>	[0..1]			199
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		200
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		201
	<b>AccountName</b> <AcctNm>	[0..1]	Text		201
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			202
	<b>Name</b> <Nm>	[1..1]	Text		202
	<b>Address</b> <Adr>	[1..1]	±		202
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	202
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			203
{Or	<b>Card</b> <Card>	[1..1]	Text		203
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		203
Or	<b>EMail</b> <EMail>	[1..1]	Text		203
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	203
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		204
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		204
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		204
Or}	<b>Other</b> <Othr>	[1..1]	Text		204
	<b>Servicer</b> <Svcr>	[0..1]			204
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	205
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		205
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		205
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	205
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		206

## 4.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**C2 AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

**C3 Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

**C4 IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

**C5 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.

**C6 ValidationByTable**

Must be a valid terrestrial language.

**C7 ValidationByTable**

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

## 4.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 4.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Completion advice message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		143
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		144
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		144
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		144
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		144
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		144
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		145
	<b>Traceability</b> <Tracblt>	[0..*]	±		145

#### 4.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.

CodeName	Name	Definition
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 4.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 4.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 4.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 4.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 4.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 4.4.1.7 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 "GenericIdentification177" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 4.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 4.4.2 CompletionAdvice <CmpltnAdvc>

*Presence:* [1..1]

*Definition:* Information related to the completion advice.

**CompletionAdvice <CmpltnAdv>** contains the following **AcceptorCompletionAdvice11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Env>	[1..1]	±		151
	<b>Context</b> <Cntxt>	[0..1]	±		157
	<b>Transaction</b> <Tx>	[1..1]			160
	<b>TransactionCapture</b> <TxCaptr>	[0..1]	Indicator		165
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		165
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		166
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		166
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		167
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		167
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		167
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		167
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		167
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		168
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		168
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		168
	<b>TransactionSuccess</b> <TxSucss>	[1..1]	Indicator		169
	<b>Reversal</b> <Rvsl>	[0..1]	Indicator		169
	<b>MerchantOverride</b> <MrchntOvrrd>	[0..1]	Indicator		170
	<b>FailureReason</b> <FailRsn>	[0..*]	CodeSet		170
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		170
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		171
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		171
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		171
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		171
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		171
	<b>TransactionDetails</b> <TxDtls>	[1..1]			171
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	173
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		174
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		174
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		174
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		174

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		175
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		175
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		175
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		175
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		175
	<b>UnattendedLevelCategory</b> <UattnddLv/Ctgy>	[0..1]	Text		176
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		176
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			177
	<b>AcceptedByCardholder</b> <AcptdByCrdhldr>	[0..1]	Indicator		179
	<b>Conversion</b> <Convs>	[0..1]			179
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		180
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			181
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	181
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		181
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		181
	<b>Name</b> <Nm>	[0..1]	Text		181
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		181
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		182
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		182
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		182
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		182
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			182
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	182
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		183
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		183
	<b>Name</b> <Nm>	[0..1]	Text		183
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			183
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		183
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		183
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		184
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			184



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[1..1]	Amount		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			184
	<b>Rate</b> <Rate>	[1..1]	Rate		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		185
	<b>Instalment</b> <Instlmt>	[0..*]	±		185
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		186
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		187
	<b>SaleItem</b> <Saleitm>	[0..*]	±		187
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		188
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		188
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			188
	<b>Identification</b> <Id>	[1..1]	Text		189
	<b>Value</b> <Val>	[0..1]	Binary		189
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		189
	<b>Type</b> <Tp>	[0..1]	Text		189
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		189
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			190
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		190
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			190
	<b>Response</b> <Rspn>	[1..1]	CodeSet		191
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		191
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		191
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		191
	<b>TransactionVerificationResult</b> <TxVrfctnRslt>	[0..*]			191
	<b>Method</b> <Mtd>	[1..1]	CodeSet		192
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		192
	<b>Result</b> <Rslt>	[0..1]	CodeSet		193
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		193
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		193

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountFrom</b> <AcctFr>	[0..1]			193
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		194
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		195
	<b>AccountName</b> <AcctNm>	[0..1]	Text		195
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			196
	<b>Name</b> <Nm>	[1..1]	Text		196
	<b>Address</b> <Adr>	[1..1]	±		196
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	196
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			197
{Or	<b>Card</b> <Card>	[1..1]	Text		197
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		197
Or	<b>EMail</b> <EMail>	[1..1]	Text		197
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	197
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		198
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		198
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		198
Or}	<b>Other</b> <Othr>	[1..1]	Text		198
	<b>Servicer</b> <Svcr>	[0..1]			198
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	199
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		199
	<b>AccountTo</b> <AcctTo>	[0..1]			199
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		200
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		201
	<b>AccountName</b> <AcctNm>	[0..1]	Text		201
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			202
	<b>Name</b> <Nm>	[1..1]	Text		202
	<b>Address</b> <Adr>	[1..1]	±		202
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	202
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			203
{Or	<b>Card</b> <Card>	[1..1]	Text		203
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		203

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>EMail</b> <EMail>	[1..1]	Text		203
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	203
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		204
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		204
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		204
Or}	<b>Other</b> <Othr>	[1..1]	Text		204
	<b>Servicer</b> <Svcr>	[0..1]			204
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	205
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		205
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		205
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	205

#### 4.4.2.1 Environment <Env>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 4.4.2.2 Context <Cntxt>

*Presence:* [0..1]

*Definition:* Context in which the transaction is performed (payment and sale).

**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

#### 4.4.2.3 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Card payment transaction between an acceptor and an acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransaction118** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionCapture</b> <TxCaptr>	[0..1]	Indicator		165
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		165
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		166
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		166
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		167
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		167
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		167
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		167
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		167
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		168
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		168
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		168
	<b>TransactionSuccess</b> <TxSucss>	[1..1]	Indicator		169
	<b>Reversal</b> <Rvsl>	[0..1]	Indicator		169
	<b>MerchantOverride</b> <MrchntOvrrd>	[0..1]	Indicator		170
	<b>FailureReason</b> <FailrRsn>	[0..*]	CodeSet		170
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		170
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		171
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		171
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		171
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		171
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		171
	<b>TransactionDetails</b> <TxDtls>	[1..1]			171
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	173
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		174
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		174
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		174
	<b>DetailedAmount</b> <DtlAmt>	[0..1]	±		174
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		175
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		175
	<b>InvoiceAmount</b> <InvAmt>	[0..1]	Amount		175

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		175
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		175
	<b>UnattendedLevelCategory</b> <UattnddLvCtgy>	[0..1]	Text		176
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		176
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			177
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		179
	<b>Conversion</b> <Convs>	[0..1]			179
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		180
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			181
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	181
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		181
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		181
	<b>Name</b> <Nm>	[0..1]	Text		181
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		181
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		182
	<b>InvertedExchangeRate</b> <NvrtedXchgRate>	[0..1]	Rate		182
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		182
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		182
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			182
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	182
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		183
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		183
	<b>Name</b> <Nm>	[0..1]	Text		183
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			183
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		183
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		183
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		184
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			184
	<b>Amount</b> <Amt>	[1..1]	Amount		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			184

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate</b> <Rate>	[1..1]	Rate		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		185
	<b>Instalment</b> <Instlmt>	[0..*]	±		185
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		186
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		187
	<b>SaleItem</b> <Saleitm>	[0..*]	±		187
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		188
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		188
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			188
	<b>Identification</b> <Id>	[1..1]	Text		189
	<b>Value</b> <Val>	[0..1]	Binary		189
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		189
	<b>Type</b> <Tp>	[0..1]	Text		189
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		189
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			190
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		190
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			190
	<b>Response</b> <Rspn>	[1..1]	CodeSet		191
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		191
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		191
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		191
	<b>TransactionVerificationResult</b> <TxVrfctnRslt>	[0..*]			191
	<b>Method</b> <Mtd>	[1..1]	CodeSet		192
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		192
	<b>Result</b> <Rslt>	[0..1]	CodeSet		193
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		193
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		193
	<b>AccountFrom</b> <AcctFr>	[0..1]			193
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		194
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		195

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountName</b> <AcctNm>	[0..1]	Text		195
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			196
	<b>Name</b> <Nm>	[1..1]	Text		196
	<b>Address</b> <Adr>	[1..1]	±		196
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	196
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			197
{Or	<b>Card</b> <Card>	[1..1]	Text		197
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		197
Or	<b>EMail</b> <EMail>	[1..1]	Text		197
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	197
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		198
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		198
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		198
Or}	<b>Other</b> <Othr>	[1..1]	Text		198
	<b>Servicer</b> <Svcr>	[0..1]			198
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	199
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		199
	<b>AccountTo</b> <AcctTo>	[0..1]			199
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		200
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		201
	<b>AccountName</b> <AcctNm>	[0..1]	Text		201
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			202
	<b>Name</b> <Nm>	[1..1]	Text		202
	<b>Address</b> <Adr>	[1..1]	±		202
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	202
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			203
{Or	<b>Card</b> <Card>	[1..1]	Text		203
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		203
Or	<b>EMail</b> <EMail>	[1..1]	Text		203
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	203
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		204



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		204
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		204
Or}	<b>Other</b> <Othr>	[1..1]	Text		204
	<b>Servicer</b> <Svcr>	[0..1]			204
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	205
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		205
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		205

#### 4.4.2.3.1 TransactionCapture <TxCaptr>

*Presence:* [0..1]

*Definition:* Flag indicating whether the transaction data must be captured or not in addition to the message process.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 4.4.2.3.2 TransactionType <TxTp>

*Presence:* [0..1]

*Definition:* Type of transaction being undertaken for the main service.

*Datatype:* "CardPaymentServiceType12Code" on page 1357

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.

CodeName	Name	Definition
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

#### 4.4.2.3.3 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 4.4.2.3.4 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 4.4.2.3.5 LastTransactionFlag <LastTxFlg>

*Presence:* [0..1]

*Definition:* Flag indicating processing of the last transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 4.4.2.3.6 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [0..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402

#### 4.4.2.3.7 CustomerConsent <CstmrCnsnt>

*Presence:* [0..1]

*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 4.4.2.3.8 CardProgrammeProposed <CardPrgrmmPropsd>

*Presence:* [0..\*]

*Definition:* The card program proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

*Datatype:* "Max35Text" on page 1399

#### 4.4.2.3.9 CardProgrammeApplied <CardPrgrmmApld>

*Presence:* [0..1]

*Definition:* The card program actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

*Datatype:* "Max35Text" on page 1399

#### 4.4.2.3.10 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 4.4.2.3.11 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 4.4.2.3.12 OriginalTransaction <OrgnITx>

*Presence:* [0..1]

*Definition:* Identification of the original transaction.

**OriginalTransaction <OrgnITx>** contains the following elements (see "[CardPaymentTransaction122](#)" on page 1089 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIID>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 4.4.2.3.13 TransactionSuccess <TxSucss>

*Presence:* [1..1]

*Definition:* Outcome of the transaction at the acceptor.

*Datatype:* One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1394):

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

#### 4.4.2.3.14 Reversal <Rvsl>

*Presence:* [0..1]

*Definition:* Notify that a previous transaction has to be reversed if this original transaction has been approved by the acquirer.

*Datatype:* One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1394):

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

**4.4.2.3.15 MerchantOverride <MrchntOvrrd>**

*Presence:* [0..1]

*Definition:* Indicate that the acceptor has forced the transaction in spite of the authorisation result (online or offline), or incident to complete the transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**4.4.2.3.16 FailureReason <FailrRsn>**

*Presence:* [0..\*]

*Definition:* List of incidents during the transaction.

*Datatype:* "FailureReason3Code" on page 1364

CodeName	Name	Definition
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
MALF	Malfunction	Suspected malfunction.
FDCL	OfflineDeclined	Offline authorisation declined the transaction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
PART	Partial	Completed partially.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.

**4.4.2.3.17 InitiatorTransactionIdentification <InitrTxId>**

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* "Max35Text" on page 1399

#### **4.4.2.3.18 RecipientTransactionIdentification <RcptTxId>**

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* "Max140Text" on page 1397

#### **4.4.2.3.19 ReconciliationIdentification <RcncltnId>**

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* "Max35Text" on page 1399

#### **4.4.2.3.20 InterchangeData <IntrchnngData>**

*Presence:* [0..1]

*Definition:* Interchange information related to the card scheme.

*Datatype:* "Max140Text" on page 1397

#### **4.4.2.3.21 IssuerCITIdentification <IssrCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the Issuer, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

#### **4.4.2.3.22 MerchantCITIdentification <MrchntCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the merchant, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

#### **4.4.2.3.23 TransactionDetails <TxDtls>**

*Presence:* [1..1]

*Definition:* Details of the transaction.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	173
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		174
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		174
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		174
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		174
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		175
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		175
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		175
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		175
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		175
	<b>UnattendedLevelCategory</b> <UattnddLvltCtgy>	[0..1]	Text		176
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		176
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			177
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		179
	<b>Conversion</b> <Convs>	[0..1]			179
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		180
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			181
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	181
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		181
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		181
	<b>Name</b> <Nm>	[0..1]	Text		181
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		181
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		182
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		182
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		182
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		182
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			182
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	182
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		183
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		183
	<b>Name</b> <Nm>	[0..1]	Text		183



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			183
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		183
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		183
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		184
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			184
	<b>Amount</b> <Amt>	[1..1]	Amount		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			184
	<b>Rate</b> <Rate>	[1..1]	Rate		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		185
	<b>Instalment</b> <Instlmt>	[0..*]	±		185
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		186
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		187
	<b>SaleItem</b> <Saleitm>	[0..*]	±		187
	<b>DeliveryLocation</b> <DivryLctn>	[0..1]	Text		188
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		188
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			188
	<b>Identification</b> <Id>	[1..1]	Text		189
	<b>Value</b> <Val>	[0..1]	Binary		189
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		189
	<b>Type</b> <Tp>	[0..1]	Text		189
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		189

#### 4.4.2.3.23.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 4.4.2.3.23.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 4.4.2.3.23.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 4.4.2.3.23.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 4.4.2.3.23.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 4.4.2.3.23.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 4.4.2.3.23.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 4.4.2.3.23.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 4.4.2.3.23.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 4.4.2.3.23.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.

CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

#### 4.4.2.3.23.11 UnattendedLevelCategory <UatndddLvIctgy>

*Presence:* [0..1]

*Definition:* Transaction category level on an unattended POI (Point Of Interaction).

*Datatype:* "Max35NumericText" on page 1399

#### 4.4.2.3.23.12 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.

CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 4.4.2.3.23.13 CurrencyConversionResult <CcyConvsRslt>

*Presence:* [0..1]

*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		179
	<b>Conversion</b> <Convs>	[0..1]			179
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		180
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			181
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	181
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		181
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		181
	<b>Name</b> <Nm>	[0..1]	Text		181
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		181
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		182
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		182
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		182
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		182
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			182
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	182
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		183
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		183
	<b>Name</b> <Nm>	[0..1]	Text		183
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			183
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		183
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		183
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		184
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			184
	<b>Amount</b> <Amt>	[1..1]	Amount		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			184
	<b>Rate</b> <Rate>	[1..1]	Rate		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		185

**4.4.2.3.23.13.1 AcceptedByCardholder <AcptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**4.4.2.3.23.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		180
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			181
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	181
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		181
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		181
	<b>Name</b> <Nm>	[0..1]	Text		181
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		181
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		182
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		182
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		182
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		182
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			182
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	182
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		183
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		183
	<b>Name</b> <Nm>	[0..1]	Text		183
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			183
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		183
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		183
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		184
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			184
	<b>Amount</b> <Amt>	[1..1]	Amount		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			184
	<b>Rate</b> <Rate>	[1..1]	Rate		184
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		184
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		185

#### 4.4.2.3.23.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399



**4.4.2.3.23.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	181
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		181
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		181
	<b>Name</b> <Nm>	[0..1]	Text		181

**4.4.2.3.23.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**4.4.2.3.23.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**4.4.2.3.23.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**4.4.2.3.23.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**4.4.2.3.23.13.2.3 ResultingAmount <RsltgAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 4.4.2.3.23.13.2.4 ExchangeRate <XchgRate>

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### 4.4.2.3.23.13.2.5 InvertedExchangeRate <NvrtdXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### 4.4.2.3.23.13.2.6 QuotationDate <QtnDt>

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### 4.4.2.3.23.13.2.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### 4.4.2.3.23.13.2.8 SourceCurrency <SrcCcy>

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	182
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		183
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		183
	<b>Name</b> <Nm>	[0..1]	Text		183

##### 4.4.2.3.23.13.2.8.1 AlphaCode <AlphaCd>

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**4.4.2.3.23.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**4.4.2.3.23.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**4.4.2.3.23.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**4.4.2.3.23.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		183
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		183
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		184

**4.4.2.3.23.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**4.4.2.3.23.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**4.4.2.3.23.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**4.4.2.3.23.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		184
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		184

**4.4.2.3.23.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**4.4.2.3.23.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**4.4.2.3.23.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate &lt;Rate&gt;</b>	[1..1]	Rate		184
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		184

**4.4.2.3.23.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**4.4.2.3.23.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1398

#### 4.4.2.3.23.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 4.4.2.3.23.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 4.4.2.3.23.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "[AggregationTransaction3](#)" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 4.4.2.3.23.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "[Max10Text](#)" on page 1396

#### 4.4.2.3.23.17 SaleItem <SaleItm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 4.4.2.3.23.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 4.4.2.3.23.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 4.4.2.3.23.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).



**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification</b> <Id>	[1..1]	Text		189
	<b>Value</b> <Val>	[0..1]	Binary		189
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		189
	<b>Type</b> <Tp>	[0..1]	Text		189

#### 4.4.2.3.23.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 4.4.2.3.23.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 4.4.2.3.23.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 4.4.2.3.23.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 4.4.2.3.23.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**4.4.2.3.24 AuthorisationResult <AuthstnRslt>***Presence:* [0..1]*Definition:* Outcome of the authorisation request.**AuthorisationResult <AuthstnRslt>** contains the following **AuthorisationResult18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		190
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			190
	<b>Response</b> <Rspn>	[1..1]	CodeSet		191
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		191
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		191
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		191

**4.4.2.3.24.1 AuthorisationEntity <AuthstnNtty>***Presence:* [0..1]*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

**4.4.2.3.24.2 ResponseToAuthorisation <RspnToAuthstn>***Presence:* [1..1]*Definition:* Response to an authorisation request.**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		191
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		191
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		191

**4.4.2.3.24.2.1 Response <Rspn>***Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**4.4.2.3.24.2.2 ResponseReason <RspnRsn>***Presence:* [0..1]*Definition:* Detailed result of the transaction.*Datatype:* "Max35Text" on page 1399**4.4.2.3.24.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1397**4.4.2.3.24.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 1401**4.4.2.3.25 TransactionVerificationResult <TxVrfctnRsIt>***Presence:* [0..\*]*Definition:* Result of the performed verifications for the transaction.

**TransactionVerificationResult <TxVrfctnRsIt>** contains the following  
**TransactionVerificationResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Method</b> <Mtd>	[1..1]	CodeSet		192
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		192
	<b>Result</b> <RsIt>	[0..1]	CodeSet		193
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		193

**4.4.2.3.25.1 Method <Mtd>***Presence:* [1..1]*Definition:* Method of verification that has been performed.*Datatype:* "AuthenticationMethod6Code" on page 1350

CodeName	Name	Definition
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
PPSG	PaperSignature	Handwritten paper signature.
PSWD	Password	Authentication by a password.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
ADDB	BillingAddressVerification	Cardholder billing address verification.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
MANU	ManualVerification	Manual verification, for example passport or drivers license.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

**4.4.2.3.25.2 VerificationEntity <VrfctnNtty>***Presence:* [0..1]*Definition:* Entity or device that has performed the verification.

*Datatype:* "AuthenticationEntity2Code" on page 1350

CodeName	Name	Definition
ICCD	ICC	Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification.
AGNT	AuthorisedAgent	Authorisation agent of the issuer.
MERC	Merchant	Merchant (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

#### 4.4.2.3.25.3 Result <Rslt>

*Presence:* [0..1]

*Definition:* Result of the verification.

*Datatype:* "Verification1Code" on page 1391

CodeName	Name	Definition
FAIL	Failed	Verification failed.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

#### 4.4.2.3.25.4 AdditionalResult <AddtlRslt>

*Presence:* [0..1]

*Definition:* Additional result of the verification.

*Datatype:* "Max500Text" on page 1400

#### 4.4.2.3.26 MerchantReferenceData <MrchntRefData>

*Presence:* [0..1]

*Definition:* Merchant information that must be returned unchanged in the response.

*Datatype:* "Max70Text" on page 1400

#### 4.4.2.3.27 AccountFrom <AcctFr>

*Presence:* [0..1]

*Definition:* Information relevant to the account where the money is taken from.

**AccountFrom <AcctFr>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		194
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		195
	<b>AccountName</b> <AcctNm>	[0..1]	Text		195
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			196
	<b>Name</b> <Nm>	[1..1]	Text		196
	<b>Address</b> <Adr>	[1..1]	±		196
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	196
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			197
{Or	<b>Card</b> <Card>	[1..1]	Text		197
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		197
Or	<b>EMail</b> <EMail>	[1..1]	Text		197
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	197
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		198
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		198
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		198
Or}	<b>Other</b> <Othr>	[1..1]	Text		198
	<b>Servicer</b> <Svcr>	[0..1]			198
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	199
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		199

#### 4.4.2.3.27.1 SelectionMethod <SelctnMtd>

*Presence:* [0..1]

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.

CodeName	Name	Definition
TPSL	TypeSelected	Type of account selected in a list.

#### 4.4.2.3.27.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 4.4.2.3.27.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

*Usage:* The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 4.4.2.3.27.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		196
	<b>Address</b> <Adr>	[1..1]	±		196

##### 4.4.2.3.27.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 4.4.2.3.27.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

##### 4.4.2.3.27.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341



**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**4.4.2.3.27.6 AccountIdentifier <AcctIdr>**

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>Card</b> <Card>	[1..1]	Text		197
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		197
Or	<b>EMail</b> <EMail>	[1..1]	Text		197
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	197
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		198
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		198
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		198
Or}	<b>Other</b> <Othr>	[1..1]	Text		198

**4.4.2.3.27.6.1 Card <Card>**

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

**4.4.2.3.27.6.2 MSISDN <MSISDN>**

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

**4.4.2.3.27.6.3 EMail <EMail>**

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

**4.4.2.3.27.6.4 IBAN <IBAN>**

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### **Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### **4.4.2.3.27.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

#### **4.4.2.3.27.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

#### **4.4.2.3.27.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

#### **4.4.2.3.27.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

#### **4.4.2.3.27.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	199
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		199

#### 4.4.2.3.27.7.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 4.4.2.3.27.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "[GenericIdentification1](#)" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 4.4.2.3.28 AccountTo <AcctTo>

*Presence:* [0..1]

*Definition:* Information relevant to the account where the money is put.

**AccountTo <AcctTo>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		200
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		201
	<b>AccountName</b> <AcctNm>	[0..1]	Text		201
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			202
	<b>Name</b> <Nm>	[1..1]	Text		202
	<b>Address</b> <Adr>	[1..1]	±		202
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	202
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			203
{Or	<b>Card</b> <Card>	[1..1]	Text		203
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		203
Or	<b>EMail</b> <EMail>	[1..1]	Text		203
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	203
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		204
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		204
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		204
Or}	<b>Other</b> <Othr>	[1..1]	Text		204
	<b>Servicer</b> <Svcr>	[0..1]			204
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	205
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		205

#### 4.4.2.3.28.1 SelectionMethod <SelctnMtd>

*Presence:* [0..1]

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.

CodeName	Name	Definition
TPSL	TypeSelected	Type of account selected in a list.

#### 4.4.2.3.28.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 4.4.2.3.28.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

*Usage:* The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 4.4.2.3.28.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		202
	<b>Address</b> <Adr>	[1..1]	±		202

##### 4.4.2.3.28.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 4.4.2.3.28.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

##### 4.4.2.3.28.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**4.4.2.3.28.6 AccountIdentifier <AcctIdr>**

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>Card</b> <Card>	[1..1]	Text		203
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		203
Or	<b>EMail</b> <EMail>	[1..1]	Text		203
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	203
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		204
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		204
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		204
Or}	<b>Other</b> <Othr>	[1..1]	Text		204

**4.4.2.3.28.6.1 Card <Card>**

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

**4.4.2.3.28.6.2 MSISDN <MSISDN>**

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

**4.4.2.3.28.6.3 EMail <EMail>**

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

**4.4.2.3.28.6.4 IBAN <IBAN>**

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### **Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### **4.4.2.3.28.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

#### **4.4.2.3.28.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

#### **4.4.2.3.28.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

#### **4.4.2.3.28.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

#### **4.4.2.3.28.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.



**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	205
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		205

#### 4.4.2.3.28.7.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 4.4.2.3.28.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "GenericIdentification1" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 4.4.2.3.29 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* "Max70Text" on page 1400

#### 4.4.2.4 SupplementaryData <SplmtryData>

*Presence:* [0..\*]

*Definition:* Additional information incorporated as an extension to the message.

*Impacted by:* C5 "SupplementaryDataRule"

**SupplementaryData <SplmtryData>** contains the following elements (see "[SupplementaryData1](#)" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

#### 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 "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# **5 caaa.004.001.10 AcceptorCompletionAdviceResponseV10**

## **5.1 MessageDefinition Functionality**

The AcceptorCompletionAdviceResponse message is sent by the acquirer (or its agent) to acknowledge the acceptor (or its agent) of the outcome of the payment transaction, and the transfer the financial data of the transaction contained in the completion advice.

### Outline

The AcceptorCompletionAdviceResponseV10 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Completion advice response message management information.
- B. CompletionAdviceResponse  
Information related to the completion advice response.
- 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> <AccptrCmpltnAdvRspn>	[1..1]			
	Header <Hdr>	[1..1]			209
	MessageFunction <MsgFctn>	[1..1]	CodeSet		209
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		211
	ExchangeIdentification <XchgId>	[1..1]	Quantity		211
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		211
	CreationDateTime <CreDtTm>	[1..1]	DateTime		211
	InitiatingParty <InitgPty>	[1..1]	±		211
	RecipientParty <RcptPty>	[0..1]	±		212
	Traceability <Tracblt>	[0..*]	±		212
	CompletionAdviceResponse <CmpltnAdvRspn>	[1..1]			213
	Environment <Envt>	[1..1]	±		213
	Transaction <Tx>	[1..1]			219
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		219
	TransactionIdentification <TxId>	[1..1]	±		219
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		220
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		220
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		220
	Response <Rspn>	[1..1]	CodeSet		220
	TMSTrigger <TMSTrggr>	[0..1]			220
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		221
	TMSIdentification <TMSId>	[0..1]	Text		221
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		221
	SupplementaryData <SplmtryData>	[0..*]	±	C3	221
	SecurityTrailer <SctyTrlr>	[0..1]	±		222

## 5.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with

the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

## C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

## C3 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.

## C4 ValidationByTable

Must be a valid terrestrial language.

# 5.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

## 5.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Completion advice response message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		209
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		211
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		211
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		211
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		211
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		211
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		212
	<b>Traceability</b> <Tracblt>	[0..*]	±		212

### 5.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.

CodeName	Name	Definition
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.

CodeName	Name	Definition
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 5.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 5.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 5.4.1.4 ReTransmissionCounter <ReTrnsmssnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 5.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 5.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 5.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 5.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 5.4.2 CompletionAdviceResponse <CmpltnAdvcrspn>

*Presence:* [1..1]

*Definition:* Information related to the completion advice response.

**CompletionAdviceResponse <CmpltnAdvcrspn>** contains the following  
**AcceptorCompletionAdviceResponse10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		213
	<b>Transaction</b> <Tx>	[1..1]			219
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		219
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		219
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		220
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		220
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		220
	<b>Response</b> <Rspn>	[1..1]	CodeSet		220
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			220
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		221
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		221
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		221
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C3	221

### 5.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 5.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Card payment transaction between an acceptor and an acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransactionAdviceResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		219
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		219
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		220
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		220
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		220
	<b>Response</b> <Rspn>	[1..1]	CodeSet		220

##### 5.4.2.2.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

##### 5.4.2.2.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see ["TransactionIdentifier1"](#) on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 5.4.2.2.3 InitiatorTransactionIdentification <InitrTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* ["Max35Text"](#) on page 1399

#### 5.4.2.2.4 RecipientTransactionIdentification <RcptTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* ["Max140Text"](#) on page 1397

#### 5.4.2.2.5 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* ["Max35Text"](#) on page 1399

#### 5.4.2.2.6 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of a requested service.

*Datatype:* ["Response9Code"](#) on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 5.4.2.3 TMSTrigger <TMSTrggr>

*Presence:* [0..1]

*Definition:* Instructions for contacting the terminal management host.



**TMSTrigger <TMSTrgr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		221
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		221
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		221

#### 5.4.2.3.1 TMSContactLevel <TMSCtctLvl>

*Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

#### 5.4.2.3.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

#### 5.4.2.3.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODateTime" on page 1392

#### 5.4.2.4 SupplementaryData <SplmtryData>

*Presence:* [0..\*]

*Definition:* Additional information incorporated as an extension to the message.

*Impacted by:* C3 "SupplementaryDataRule"

**SupplementaryData <SplmtryData>** contains the following elements (see "SupplementaryData1" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

**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 "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## 6      **caaa.005.001.11** **AcceptorCancellationRequestV11**

### 6.1      **MessageDefinition Functionality**

The AcceptorCancellationRequest message is sent by an acceptor (or its agent) to the acquirer (or its agent), to request the cancellation of a successfully completed transaction. Cancellation should only occur before the transaction has been cleared.

#### Outline

The AcceptorCancellationRequestV11 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Cancellation request message management information.
- B. CancellationRequest  
Information related to the cancellation request.
- 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> <AccptrCxlReq>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			225
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		226
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		227
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		227
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		228
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		228
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		228
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		228
	<b>Traceability</b> <Tracblt>	[0..*]	±		229
	<b>CancellationRequest</b> <CxlReq>	[1..1]			229
	<b>Environment</b> <Envnt>	[1..1]	±		230
	<b>Context</b> <Cntxt>	[1..1]	±		236
	<b>Transaction</b> <Tx>	[1..1]			239
	<b>TransactionCapture</b> <TxCaptr>	[0..1]	Indicator		239
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		240
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		240
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		240
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		240
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		240
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		240
	<b>OriginalTransaction</b> <OrgnlTx>	[1..1]	±		241
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		241
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		241
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		242
	<b>TransactionDetails</b> <TxDtls>	[1..1]			242
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	242
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		242
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		242
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		243

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		243
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		243
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		243

## 6.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

### C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

### C5 ValidationByTable

Must be a valid terrestrial language.

## 6.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 6.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Cancellation request message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		226
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		227
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		227
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Text		228
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		228
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		228
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		228
	<b>Traceability</b> <Tracblt>	[0..*]	±		229

#### 6.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.

CodeName	Name	Definition
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 6.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 6.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 6.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 6.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 6.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 6.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 6.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 6.4.2 CancellationRequest <CxlReq>

*Presence:* [1..1]

*Definition:* Information related to the cancellation request.

**CancellationRequest <CxlReq>** contains the following **AcceptorCancellationRequest11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		230
	<b>Context</b> <Cntxt>	[1..1]	±		236
	<b>Transaction</b> <Tx>	[1..1]			239
	<b>TransactionCapture</b> <TxCaptr>	[0..1]	Indicator		239
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		240
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		240
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		240
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		240
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		240
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		240
	<b>OriginalTransaction</b> <OrgnlTx>	[1..1]	±		241
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		241
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		241
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		242
	<b>TransactionDetails</b> <TxDtls>	[1..1]			242
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	242
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		242
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		242
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		243
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		243
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		243

#### 6.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 6.4.2.2 Context <Cntxt>

*Presence:* [1..1]

*Definition:* Context in which the transaction is performed (payment and sale).



**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

### 6.4.2.3 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Cancellation transaction between an acceptor and an acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransaction115** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionCapture</b> <TxCaptr>	[0..1]	Indicator		239
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		240
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		240
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		240
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		240
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		240
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		240
	<b>OriginalTransaction</b> <OrgnlTx>	[1..1]	±		241
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		241
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		241
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		242
	<b>TransactionDetails</b> <TxDtls>	[1..1]			242
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	242
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		242
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		242
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		243
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		243
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		243

#### 6.4.2.3.1 TransactionCapture <TxCaptr>

*Presence:* [0..1]

*Definition:* Flag indicating whether the transaction data must be captured or not in addition to the message process.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 6.4.2.3.2 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [1..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402

#### 6.4.2.3.3 CustomerConsent <CstmrCnsnt>

*Presence:* [0..1]

*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 6.4.2.3.4 CardProgrammeProposed <CardPrgrmmPropsd>

*Presence:* [0..\*]

*Definition:* The card program proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

*Datatype:* "Max35Text" on page 1399

#### 6.4.2.3.5 CardProgrammeApplied <CardPrgrmmApld>

*Presence:* [0..1]

*Definition:* The card program actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

*Datatype:* "Max35Text" on page 1399

#### 6.4.2.3.6 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 6.4.2.3.7 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 6.4.2.3.8 OriginalTransaction <OrgnITx>

*Presence:* [1..1]

*Definition:* Identification of the original transaction.

**OriginalTransaction <OrgnITx>** contains the following elements (see "CardPaymentTransaction122" on page 1089 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIID>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 6.4.2.3.9 InitiatorTransactionIdentification <InitrTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* "Max35Text" on page 1399

#### 6.4.2.3.10 RecipientTransactionIdentification <RcptTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* "Max140Text" on page 1397

#### 6.4.2.3.11 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* "Max35Text" on page 1399

#### 6.4.2.3.12 TransactionDetails <TxDtls>

*Presence:* [1..1]

*Definition:* Details of the transaction.

**TransactionDetails <TxDtls>** contains the following **CardPaymentTransactionDetails50** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	242
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		242
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		242
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		243
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		243

##### 6.4.2.3.12.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

##### 6.4.2.3.12.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

##### 6.4.2.3.12.3 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 6.4.2.3.12.4 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

#### 6.4.2.3.12.5 KeepAuthorisationOpen <KeepAuthstnOpn>

*Presence:* [0..1]

*Definition:* This transaction is cancelled but the authorisation is not reversed.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 6.4.2.3.13 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* "Max70Text" on page 1400

### 6.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# 7 caaa.006.001.10 AcceptorCancellationResponseV10

## 7.1 MessageDefinition Functionality

The AcceptorCancellationResponse message is sent by the acquirer (or its agent) to an acceptor (or its agent), to return the outcome of the cancellation request. If the response is positive, the acquirer has voided the financial data from the captured transaction.

### Outline

The AcceptorCancellationResponseV10 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Cancellation response message management information.
- B. CancellationResponse  
Information related to the cancellation 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> <AccptrCxlRspn>	[1..1]			
	Header <Hdr>	[1..1]			246
	MessageFunction <MsgFctn>	[1..1]	CodeSet		247
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		248
	ExchangeIdentification <XchgId>	[1..1]	Quantity		248
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		249
	CreationDateTime <CreDtTm>	[1..1]	DateTime		249
	InitiatingParty <InitgPty>	[1..1]	±		249
	RecipientParty <RcptPty>	[0..1]	±		249
	Traceability <Tracblt>	[0..*]	±		250
	CancellationResponse <CxlRspn>	[1..1]			250
	Environment <Envt>	[1..1]	±		252
	Transaction <Tx>	[1..1]			258
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		258
	TransactionIdentification <TxId>	[1..1]	±		259
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		259
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		259
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		259
	InterchangeData <IntrchgData>	[0..1]	Text		259
	TransactionDetails <TxDtls>	[1..1]			259
	Currency <Ccy>	[0..1]	CodeSet	C1	260
	TotalAmount <TtlAmt>	[1..1]	Amount		260
	ValidityDate <VldtyDt>	[0..1]	Date		260
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		260
	KeepAuthorisationOpen <KeepAuthstnOpn>	[0..1]	Indicator		260
	TransactionResponse <TxRspn>	[1..1]			261
	AuthorisationResult <AuthstnRslt>	[1..1]			261
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		262
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			262
	Response <Rspn>	[1..1]	CodeSet		263

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		263
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		263
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		263
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			263
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		263
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		264
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		264
	<b>Action</b> <Actn>	[0..*]			264
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		264
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		265
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		266

## 7.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C3 ValidationByTable

Must be a valid terrestrial language.

## 7.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 7.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Cancellation response message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		247
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		248
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		248
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Text		249
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		249
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		249
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		249
	<b>Traceability</b> <Tracblt>	[0..*]	±		250

#### 7.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.

CodeName	Name	Definition
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 7.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 7.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 7.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 7.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 7.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 7.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 7.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

#### 7.4.2 CancellationResponse <CxIRspn>

*Presence:* [1..1]

*Definition:* Information related to the cancellation response.

**CancellationResponse <CxIRspn>** contains the following **AcceptorCancellationResponse10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		252
	<b>Transaction</b> <Tx>	[1..1]			258
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		258
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		259
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		259
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		259
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		259
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		259
	<b>TransactionDetails</b> <TxDtls>	[1..1]			259
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	260
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		260
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		260
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		260
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		260
	<b>TransactionResponse</b> <TxRspn>	[1..1]			261
	<b>AuthorisationResult</b> <AuthstnRslt>	[1..1]			261
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		262
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			262
	<b>Response</b> <Rspn>	[1..1]	CodeSet		263
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		263
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		263
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		263
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			263
	<b>TMSContactLevel</b> <TMSctctLvl>	[1..1]	CodeSet		263
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		264
	<b>TMSContactDateTime</b> <TMSctctDtTm>	[0..1]	DateTime		264
	<b>Action</b> <Actn>	[0..*]			264
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		264
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		265

#### **7.4.2.1 Environment <Envt>**

*Presence:* [1..1]

*Definition:* Environment of the transaction.



**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 7.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Cancellation transaction between an acceptor and an acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransaction117** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		258
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		259
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		259
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		259
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		259
	<b>InterchangeData</b> <IntrchgData>	[0..1]	Text		259
	<b>TransactionDetails</b> <TxDtls>	[1..1]			259
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	260
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		260
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		260
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		260
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		260

##### 7.4.2.2.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

**7.4.2.2.2 TransactionIdentification <TxId>***Presence:* [1..1]*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**7.4.2.2.3 InitiatorTransactionIdentification <InitrTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.*Datatype:* "[Max35Text](#)" on page 1399**7.4.2.2.4 RecipientTransactionIdentification <RcptTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.*Datatype:* "[Max140Text](#)" on page 1397**7.4.2.2.5 ReconciliationIdentification <RcncltnId>***Presence:* [0..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.*Datatype:* "[Max35Text](#)" on page 1399**7.4.2.2.6 InterchangeData <IntrchnngData>***Presence:* [0..1]*Definition:* Interchange information related to the card scheme.*Datatype:* "[Max140Text](#)" on page 1397**7.4.2.2.7 TransactionDetails <TxDtls>***Presence:* [1..1]*Definition:* Details of the transaction.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails50** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	260
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		260
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		260
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		260
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		260

#### 7.4.2.2.7.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 7.4.2.2.7.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 7.4.2.2.7.3 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 7.4.2.2.7.4 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

#### 7.4.2.2.7.5 KeepAuthorisationOpen <KeepAuthstnOpn>

*Presence:* [0..1]

*Definition:* This transaction is cancelled but the authorisation is not reversed.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):



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

### 7.4.2.3 TransactionResponse <TxRspn>

*Presence:* [1..1]

*Definition:* Response from the acquirer to the cancellation transaction.

**TransactionResponse <TxRspn>** contains the following **CardPaymentTransaction113** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationResult</b> <AuthstnRslt>	[1..1]			261
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		262
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			262
	<b>Response</b> <Rspn>	[1..1]	CodeSet		263
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		263
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		263
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		263
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			263
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		263
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		264
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		264
	<b>Action</b> <Actn>	[0..*]			264
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		264
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		265

#### 7.4.2.3.1 AuthorisationResult <AuthstnRslt>

*Presence:* [1..1]

*Definition:* Outcome of the authorisation, and actions to perform.

**AuthorisationResult <AuthstnRslt>** contains the following **AuthorisationResult19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		262
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			262
	<b>Response</b> <Rspn>	[1..1]	CodeSet		263
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		263
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		263
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		263
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			263
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		263
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		264
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		264

#### 7.4.2.3.1.1 AuthorisationEntity <AuthstnNtty>

*Presence:* [0..1]

*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).

**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

#### 7.4.2.3.1.2 ResponseToAuthorisation <RspnToAuthstn>

*Presence:* [1..1]

*Definition:* Response to an authorisation request.

**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		263
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		263
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		263

**7.4.2.3.1.2.1 Response <Rspn>***Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**7.4.2.3.1.2.2 ResponseReason <RspnRsn>***Presence:* [0..1]*Definition:* Detailed result of the transaction.*Datatype:* "Max35Text" on page 1399**7.4.2.3.1.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1397**7.4.2.3.1.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 1401**7.4.2.3.1.4 TMSTrigger <TMSTrggr>***Presence:* [0..1]*Definition:* Acquirer has requested a contact to the maintenance host.**TMSTrigger <TMSTrggr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		263
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		264
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		264

**7.4.2.3.1.4.1 TMSContactLevel <TMSCtctLvl>***Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

#### 7.4.2.3.1.4.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

#### 7.4.2.3.1.4.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODateTime" on page 1392

#### 7.4.2.3.2 Action <Actn>

*Presence:* [0..\*]

*Definition:* Set of actions to be performed by the POI (Point Of Interaction) system.

**Action <Actn>** contains the following **Action12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		264
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		265

##### 7.4.2.3.2.1 ActionType <ActnTp>

*Presence:* [1..1]

*Definition:* Type of action to be performed by the POI (Point Of Interaction) system.

*Datatype:* "ActionType12Code" on page 1340

CodeName	Name	Definition
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
NOVR	ForbidOverride	Payment application cannot propose to the merchant an override of the payment transaction.

CodeName	Name	Definition
RQID	IdentificationRequired	Additional identification required (passport, ID card, etc.).
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
PRNT	PrintMessage	Print a message.
RFRL	Referral	Referral has to be performed.
RQDT	RequestData	Request additional data through a displayed text and request confirmation by an attendant.
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FLFW	FallForward	Fall-forward from contactless to chip card transaction required.
PINQ	PINRequest	Request Cardholder Authentication through PIN insertion.
CDCV	ConsumerDeviceCardholderVerificationMethod	Request Cardholder Authentication according to the ConsumerDeviceCardholderVerification Method.
CHDA	CardholderAuthentication	Additional authentication of cardholder required.
STAR	StopAllRecurring	Recurring transactions is no more allowed for this card and for all merchants.
STOR	StopOneRecurring	Cardholder has revoked this recurring transaction for this merchant.

#### 7.4.2.3.2.2 MessageToPresent <MsgToPres>

*Presence:* [0..1]

*Definition:* Message to be displayed to the cardholder or the cashier.

**MessageToPresent <MsgToPres>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

### 7.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## **8        caaa.007.001.11           AcceptorCancellationAdviceV11**

### **8.1      MessageDefinition Functionality**

The AcceptorCancellationAdvice message is sent by an acceptor (or its agent) to notify the acquirer (or its agent) of the cancellation of a successfully completed transaction. The transaction has been completed without financial transfer, or the acceptor is aware that the transaction was not cleared by the acquirer.

#### Outline

The AcceptorCancellationAdviceV11 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Cancellation advice message management information.
- B. CancellationAdvice  
Information related to the cancellation advice.
- 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> <AccptrCxlAdv>	[1..1]			
	Header <Hdr>	[1..1]			270
	MessageFunction <MsgFctn>	[1..1]	CodeSet		270
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		272
	ExchangeIdentification <XchgId>	[1..1]	Quantity		272
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		272
	CreationDateTime <CreDtTm>	[1..1]	DateTime		272
	InitiatingParty <InitgPty>	[1..1]	±		272
	RecipientParty <RcptPty>	[0..1]	±		272
	Traceability <Tracblt>	[0..*]	±		273
	CancellationAdvice <CxlAdv>	[1..1]			273
	Environment <Envt>	[1..1]	±		275
	Context <Cntxt>	[0..1]	±		281
	Transaction <Tx>	[1..1]			284
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		286
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		286
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		286
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		286
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		286
	TransactionIdentification <TxId>	[1..1]	±		286
	OriginalTransaction <OrgnlTx>	[0..1]	±		287
	TransactionSuccess <TxSucss>	[1..1]	Indicator		287
	Reversal <Rvsl>	[0..1]	Indicator		288
	FailureReason <FailrRsn>	[0..*]	CodeSet		288
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		288
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		289
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		289
	InterchangeData <IntrchnngData>	[0..1]	Text		289
	TransactionDetails <TxDtls>	[1..1]			289
	Currency <Ccy>	[0..1]	CodeSet	C1	289



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		290
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		290
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		290
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		290
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			290
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		291
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			291
	<b>Response</b> <Rspn>	[1..1]	CodeSet		292
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		292
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		292
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		292
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			292
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		292
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		293
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		293
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		293
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		293

## 8.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

### C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

**C5 ValidationByTable**

Must be a valid terrestrial language.

## 8.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 8.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Cancellation advice message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		270
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		272
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		272
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntnr>	[0..1]	Text		272
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		272
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		272
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		272
	<b>Traceability</b> <Tracblt>	[0..*]	±		273

#### 8.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CAAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.

CodeName	Name	Definition
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

**8.4.1.2 ProtocolVersion <PrtcolVrsn>***Presence:* [1..1]*Definition:* Version of the acquirer protocol specifications.*Datatype:* "Max6Text" on page 1400**8.4.1.3 ExchangeIdentification <XchgId>***Presence:* [1..1]*Definition:* Unique identification of an exchange occurrence.*Datatype:* "Number" on page 1395**8.4.1.4 ReTransmissionCounter <ReTrnsmssnCnt>***Presence:* [0..1]*Definition:* Number of retransmissions of the message.*Datatype:* "Max3NumericText" on page 1399**8.4.1.5 CreationDateTime <CreDtTm>***Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODatetime" on page 1392**8.4.1.6 InitiatingParty <InitgPty>***Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

**8.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 8.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

#### 8.4.2 CancellationAdvice <CxlAdv>

*Presence:* [1..1]

*Definition:* Information related to the cancellation advice.

**CancellationAdvice <CxIAdv>** contains the following **AcceptorCancellationAdvice11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Env>	[1..1]	±		275
	<b>Context</b> <Cntxt>	[0..1]	±		281
	<b>Transaction</b> <Tx>	[1..1]			284
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		286
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		286
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		286
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		286
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		286
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		286
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		287
	<b>TransactionSuccess</b> <TxSucss>	[1..1]	Indicator		287
	<b>Reversal</b> <Rvsl>	[0..1]	Indicator		288
	<b>FailureReason</b> <FailRsn>	[0..*]	CodeSet		288
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		288
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		289
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		289
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		289
	<b>TransactionDetails</b> <TxDtls>	[1..1]			289
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	289
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		290
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		290
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		290
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		290
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			290
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		291
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			291
	<b>Response</b> <Rspn>	[1..1]	CodeSet		292
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		292
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		292
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		292
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			292

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TMSContactLevel</b> <TMSctctLvl>	[1..1]	CodeSet		292
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		293
	<b>TMSContactDateTime</b> <TMSctctDtTm>	[0..1]	DateTime		293
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		293

#### 8.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 8.4.2.2 Context <Cntxt>

*Presence:* [0..1]

*Definition:* Context in which the transaction is performed (payment and sale).

**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

### 8.4.2.3 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Cancellation transaction between an acceptor and an acquirer.



**Transaction <Tx>** contains the following **CardPaymentTransaction116** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		286
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		286
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		286
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		286
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		286
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		286
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		287
	<b>TransactionSuccess</b> <TxSucss>	[1..1]	Indicator		287
	<b>Reversal</b> <Rvsl>	[0..1]	Indicator		288
	<b>FailureReason</b> <FailrRsn>	[0..*]	CodeSet		288
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		288
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		289
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		289
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		289
	<b>TransactionDetails</b> <TxDtls>	[1..1]			289
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	289
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		290
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		290
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		290
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		290
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			290
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		291
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			291
	<b>Response</b> <Rspn>	[1..1]	CodeSet		292
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		292
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		292
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		292
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			292
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		292
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		293
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		293

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		293

#### 8.4.2.3.1 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [1..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402

#### 8.4.2.3.2 CustomerConsent <CstmrCnsnt>

*Presence:* [0..1]

*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 8.4.2.3.3 CardProgrammeProposed <CardPrgrmmPropsd>

*Presence:* [0..\*]

*Definition:* The card programme proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

*Datatype:* "Max35Text" on page 1399

#### 8.4.2.3.4 CardProgrammeApplied <CardPrgrmmApld>

*Presence:* [0..1]

*Definition:* The card programme actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

*Datatype:* "Max35Text" on page 1399

#### 8.4.2.3.5 SaleReferenceIdentification <SaleRefld>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 8.4.2.3.6 TransactionIdentification <Txld>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 8.4.2.3.7 OriginalTransaction <OrgnITx>

*Presence:* [0..1]

*Definition:* Identification of the original transaction.

**OriginalTransaction <OrgnITx>** contains the following elements (see "[CardPaymentTransaction122](#)" on page 1089 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIID>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 8.4.2.3.8 TransactionSuccess <TxSucss>

*Presence:* [1..1]

*Definition:* Outcome of the transaction at the acceptor.

*Datatype:* One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1394):

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

**8.4.2.3.9 Reversal <Rvsl>**

*Presence:* [0..1]

*Definition:* Notify that a previous transaction has to be reversed if this original transaction has been approved by the acquirer.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**8.4.2.3.10 FailureReason <FailrRsn>**

*Presence:* [0..\*]

*Definition:* List of incidents during the transaction.

*Datatype:* "FailureReason3Code" on page 1364

CodeName	Name	Definition
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
MALF	Malfunction	Suspected malfunction.
FDCL	OfflineDeclined	Offline authorisation declined the transaction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
PART	Partial	Completed partially.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.

**8.4.2.3.11 InitiatorTransactionIdentification <InitrTxId>**

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* "Max35Text" on page 1399

#### 8.4.2.3.12 RecipientTransactionIdentification <RcptTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* "Max140Text" on page 1397

#### 8.4.2.3.13 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* "Max35Text" on page 1399

#### 8.4.2.3.14 InterchangeData <IntrchgData>

*Presence:* [0..1]

*Definition:* Interchange information related to the card scheme.

*Datatype:* "Max140Text" on page 1397

#### 8.4.2.3.15 TransactionDetails <TxDtls>

*Presence:* [1..1]

*Definition:* Details of the transaction.

**TransactionDetails <TxDtls>** contains the following **CardPaymentTransactionDetails50** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	289
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		290
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		290
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		290
	<b>KeepAuthorisationOpen</b> <KeepAuthstnOpn>	[0..1]	Indicator		290

##### 8.4.2.3.15.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### **8.4.2.3.15.2 TotalAmount <TtlAmt>**

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **8.4.2.3.15.3 ValidityDate <VldtyDt>**

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### **8.4.2.3.15.4 ICCRelatedData <ICCRltdData>**

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

#### **8.4.2.3.15.5 KeepAuthorisationOpen <KeepAuthstnOpn>**

*Presence:* [0..1]

*Definition:* This transaction is cancelled but the authorisation is not reversed.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### **8.4.2.3.16 AuthorisationResult <AuthstnRslt>**

*Presence:* [0..1]

*Definition:* Outcome of the authorisation.

**AuthorisationResult <AuthstnRslt>** contains the following **AuthorisationResult19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		291
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			291
	<b>Response</b> <Rspn>	[1..1]	CodeSet		292
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		292
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		292
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		292
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			292
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		292
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		293
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		293

#### 8.4.2.3.16.1 AuthorisationEntity <AuthstnNtty>

*Presence:* [0..1]

*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).

**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

#### 8.4.2.3.16.2 ResponseToAuthorisation <RspnToAuthstn>

*Presence:* [1..1]

*Definition:* Response to an authorisation request.

**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		292
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		292
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		292

**8.4.2.3.16.2.1 Response <Rspn>***Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**8.4.2.3.16.2.2 ResponseReason <RspnRsn>***Presence:* [0..1]*Definition:* Detailed result of the transaction.*Datatype:* "Max35Text" on page 1399**8.4.2.3.16.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1397**8.4.2.3.16.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 1401**8.4.2.3.16.4 TMSTrigger <TMSTrggr>***Presence:* [0..1]*Definition:* Acquirer has requested a contact to the maintenance host.**TMSTrigger <TMSTrggr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		292
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		293
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		293

**8.4.2.3.16.4.1 TMSContactLevel <TMSCtctLvl>***Presence:* [1..1]



*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

#### 8.4.2.3.16.4.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

#### 8.4.2.3.16.4.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODateTime" on page 1392

#### 8.4.2.3.17 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* "Max70Text" on page 1400

### 8.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## **9        caaa.008.001.10**

# **AcceptorCancellationAdviceResponseV10**

### **9.1      MessageDefinition Functionality**

The AcceptorCancellationAdviceResponse message is sent by the acquirer (or its agent) to acknowledge the acceptor (or its agent) about the notification of the payment cancellation.

#### Outline

The AcceptorCancellationAdviceResponseV10 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
  - Cancellation advice response message management information.
- B. CancellationAdviceResponse
  - Information related to the cancellation advice response.
- C. SecurityTrailer
  - Trailer of the message containing a MAC.

## 9.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrCxlAdvcrspn>	[1..1]			
	Header <Hdr>	[1..1]			296
	MessageFunction <MsgFctn>	[1..1]	CodeSet		296
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		298
	ExchangeIdentification <XchgId>	[1..1]	Quantity		298
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		298
	CreationDateTime <CreDtTm>	[1..1]	DateTime		298
	InitiatingParty <InitgPty>	[1..1]	±		298
	RecipientParty <RcptPty>	[0..1]	±		299
	Traceability <Tracblt>	[0..*]	±		299
	CancellationAdviceResponse <CxlAdvcrspn>	[1..1]			300
	Environment <Envt>	[1..1]	±		300
	Transaction <Tx>	[1..1]			306
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		306
	TransactionIdentification <TxId>	[1..1]	±		306
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		307
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		307
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		307
	Response <Rspn>	[1..1]	CodeSet		307
	TMSTrigger <TMSTrggr>	[0..1]			307
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		308
	TMSIdentification <TMSId>	[0..1]	Text		308
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		308
	SecurityTrailer <SctyTrlr>	[0..1]	±		308

## 9.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with

the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

## C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

## C3 ValidationByTable

Must be a valid terrestrial language.

# 9.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

## 9.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Cancellation advice response message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		296
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		298
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		298
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		298
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		298
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		298
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		299
	<b>Traceability</b> <Tracblt>	[0..*]	±		299

### 9.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.

CodeName	Name	Definition
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.

CodeName	Name	Definition
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 9.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 9.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 9.4.1.4 ReTransmissionCounter <ReTrnsmssnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 9.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODatetime" on page 1392

#### 9.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

**9.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

**9.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 9.4.2 CancellationAdviceResponse <CxlAdvcRspn>

*Presence:* [1..1]

*Definition:* Information related to the cancellation advice response.

**CancellationAdviceResponse <CxlAdvcRspn>** contains the following **AcceptorCancellationAdviceResponse10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		300
	<b>Transaction</b> <Tx>	[1..1]			306
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		306
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		306
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		307
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		307
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		307
	<b>Response</b> <Rspn>	[1..1]	CodeSet		307
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			307
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		308
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		308
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		308

### 9.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.



**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LtyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 9.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Cancellation transaction from an acceptor to the acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransactionAdviceResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		306
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		306
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		307
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		307
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		307
	<b>Response</b> <Rspn>	[1..1]	CodeSet		307

##### 9.4.2.2.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

##### 9.4.2.2.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see ["TransactionIdentifier1"](#) on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 9.4.2.2.3 InitiatorTransactionIdentification <InitrTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* ["Max35Text"](#) on page 1399

#### 9.4.2.2.4 RecipientTransactionIdentification <RcptTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* ["Max140Text"](#) on page 1397

#### 9.4.2.2.5 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* ["Max35Text"](#) on page 1399

#### 9.4.2.2.6 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of a requested service.

*Datatype:* ["Response9Code"](#) on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 9.4.2.3 TMSTrigger <TMSTrggr>

*Presence:* [0..1]

*Definition:* Instructions for contacting the terminal management host.

**TMSTrigger <TMSTrggr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		308
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		308
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		308

#### 9.4.2.3.1 TMSContactLevel <TMSCtctLvl>

*Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

#### 9.4.2.3.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

#### 9.4.2.3.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODateTime" on page 1392

### 9.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302



# **10 caaa.009.001.10 AcceptorReconciliationRequestV10**

## **10.1 MessageDefinition Functionality**

The AcceptorReconciliationRequest message is sent by an acceptor (or its agent) to the acquirer (or its agent), to ensure that the debits and credits performed by the acceptor matches the computed balances of the acquirer for the debits and credits performed during the same reconciliation period.

If the acceptor or the acquirer notices a difference in totals, the discrepancy will be resolved by other means, outside the scope of the protocol.

### **Outline**

The AcceptorReconciliationRequestV10 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Reconciliation request message management information.
- B. ReconciliationRequest  
Information related to the reconciliation request.
- C. SecurityTrailer  
Trailer of the message containing a MAC.

## 10.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrRcncltnReq>	[1..1]			
	Header <Hdr>	[1..1]			311
	MessageFunction <MsgFctn>	[1..1]	CodeSet		311
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		313
	ExchangeIdentification <XchgId>	[1..1]	Quantity		313
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		313
	CreationDateTime <CreDtTm>	[1..1]	DateTime		313
	InitiatingParty <InitgPty>	[1..1]	±		313
	RecipientParty <RcptPty>	[0..1]	±		314
	Traceability <Tracblt>	[0..*]	±		314
	ReconciliationRequest <RcncltnReq>	[1..1]			315
	Environment <Envt>	[1..1]	±		315
	Transaction <Tx>	[1..1]			321
	ClosePeriod <ClsPrd>	[0..1]	Indicator		321
	ReconciliationTransactionIdentification <RcncltnTxId>	[1..1]	±		322
	ReconciliationIdentification <RcncltnId>	[1..1]	Text		322
	TransactionTotals <TxTtls>	[0..*]			322
	POIGroupIdentification <POIGrpId>	[0..1]	Text		322
	CardBrand <CardBrnd>	[0..1]	Text		322
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		323
	Currency <Ccy>	[0..1]	CodeSet	C1	323
	Type <Tp>	[1..1]	CodeSet		323
	TotalNumber <TtlNb>	[1..1]	Quantity		323
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		323
	AdditionalTransactionData <AddtlTxData>	[0..1]	Text		324
	SecurityTrailer <SctyTrlr>	[0..1]	±		324

## 10.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C3 ValidationByTable

Must be a valid terrestrial language.

## 10.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 10.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Reconciliation request message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		311
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		313
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		313
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		313
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		313
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		313
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		314
	<b>Traceability</b> <Tracblt>	[0..*]	±		314

#### 10.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.

CodeName	Name	Definition
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.

CodeName	Name	Definition
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 10.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 10.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 10.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 10.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 10.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 10.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 10.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 10.4.2 ReconciliationRequest <RcncltnReq>

*Presence:* [1..1]

*Definition:* Information related to the reconciliation request.

**ReconciliationRequest <RcncltnReq>** contains the following **AcceptorReconciliationRequest10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		315
	<b>Transaction</b> <Tx>	[1..1]			321
	<b>ClosePeriod</b> <ClsPrd>	[0..1]	Indicator		321
	<b>ReconciliationTransactionIdentification</b> <RcncltnTxId>	[1..1]	±		322
	<b>ReconciliationIdentification</b> <RcncltnId>	[1..1]	Text		322
	<b>TransactionTotals</b> <TxTtls>	[0..*]			322
	<b>POIGroupIdentification</b> <POIGrpld>	[0..1]	Text		322
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		322
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		323
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	323
	<b>Type</b> <Tp>	[1..1]	CodeSet		323
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		323
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		323
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..1]	Text		324

### 10.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 10.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Reconciliation transaction between an acceptor an acquirer.

**Transaction <Tx>** contains the following **TransactionReconciliation5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClosePeriod <ClsPrd>	[0..1]	Indicator		321
	ReconciliationTransactionIdentification <RcncltnTxId>	[1..1]	±		322
	ReconciliationIdentification <RcncltnId>	[1..1]	Text		322
	TransactionTotals <TxTtls>	[0..*]			322
	POIGroupIdentification <POIGrpld>	[0..1]	Text		322
	CardBrand <CardBrnd>	[0..1]	Text		322
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		323
	Currency <Ccy>	[0..1]	CodeSet	C1	323
	Type <Tp>	[1..1]	CodeSet		323
	TotalNumber <TtlNb>	[1..1]	Quantity		323
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		323
	AdditionalTransactionData <AddtlTxData>	[0..1]	Text		324

##### 10.4.2.2.1 ClosePeriod <ClsPrd>

*Presence:* [0..1]

*Definition:* Indicates if the transaction requires a closure of the reconciliation period.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**10.4.2.2.2 ReconciliationTransactionIdentification <RcncltnTxId>***Presence:* [1..1]*Definition:* Unique identification of a reconciliation transaction.**ReconciliationTransactionIdentification <RcncltnTxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**10.4.2.2.3 ReconciliationIdentification <RcncltnId>***Presence:* [1..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer.*Datatype:* "Max35Text" on page 1399**10.4.2.2.4 TransactionTotals <TxTtls>***Presence:* [0..\*]*Definition:* Transaction totals during the reconciliation period for a certain type of transaction.**TransactionTotals <TxTtls>** contains the following **TransactionTotals12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		322
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		322
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		323
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	323
	<b>Type</b> <Tp>	[1..1]	CodeSet		323
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		323
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		323

**10.4.2.2.4.1 POIGroupIdentification <POIGrpId>***Presence:* [0..1]*Definition:* Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.*Datatype:* "Max35Text" on page 1399**10.4.2.2.4.2 CardBrand <CardBrnd>***Presence:* [0..1]*Definition:* Brand name of the card.*Datatype:* "Max35Text" on page 1399

**10.4.2.2.4.3 CardProductProfile <CardPdctPrfl>***Presence:* [0..1]*Definition:* Category of cards related the acceptance processing rules defined by the acquirer.*Datatype:* "Max35Text" on page 1399**10.4.2.2.4.4 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency associated with the transaction totals.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**10.4.2.2.4.5 Type <Tp>***Presence:* [1..1]*Definition:* Identification of the type of transaction.*Datatype:* "TypeTransactionTotals2Code" on page 1389

CodeName	Name	Definition
CRDT	Credit	Credit transactions (refund, account, cash service, as defined in the transaction service type).
CRDR	CreditReverse	Reversal of credit transactions (cancellation).
DEBT	Debit	Debit transactions on the cardholder account.
DBTR	DebitReverse	Reversal of debit transactions (cancellation).
DECL	Declined	Declined transactions.
FAIL	Failed	Failed transactions.

**10.4.2.2.4.6 TotalNumber <TtlNb>***Presence:* [1..1]*Definition:* Total number of transactions during a reconciliation period.*Datatype:* "Number" on page 1395**10.4.2.2.4.7 CumulativeAmount <CmltvAmt>***Presence:* [1..1]*Definition:* Total amount of a collection of transactions.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 10.4.2.2.5 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..1]

*Definition:* Additional information related to the reconciliation transaction.

*Datatype:* "Max70Text" on page 1400

### 10.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302



# **11 caaa.010.001.09 AcceptorReconciliationResponseV09**

## **11.1 MessageDefinition Functionality**

The AcceptorReconciliationResponse message is sent by the acquirer (or its agent) to an acceptor (or its agent), to ensure that the debits and credits performed by the acceptor matches the computed balances of the acquirer for the debits and credits performed during the same reconciliation period.

If the acceptor or the acquirer notices a difference in totals, the discrepancy will be resolved by other means, outside the scope of the protocol.

### **Outline**

The AcceptorReconciliationResponseV09 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Reconciliation response message management information.
- B. ReconciliationResponse  
Information related to the reconciliation response.
- C. SecurityTrailer  
Trailer of the message containing a MAC.

## 11.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrRcncltnRspn>	[1..1]			
	Header <Hdr>	[1..1]			327
	MessageFunction <MsgFctn>	[1..1]	CodeSet		327
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		329
	ExchangeIdentification <XchgId>	[1..1]	Quantity		329
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		329
	CreationDateTime <CreDtTm>	[1..1]	DateTime		329
	InitiatingParty <InitgPty>	[1..1]	±		329
	RecipientParty <RcptPty>	[0..1]	±		330
	Traceability <Tracblt>	[0..*]	±		330
	ReconciliationResponse <RcncltnRspn>	[1..1]			331
	Environment <Envt>	[1..1]	±		332
	TransactionResponse <TxRspn>	[1..1]			338
	Response <Rspn>	[1..1]	CodeSet		338
	ResponseReason <RspnRsn>	[0..1]	Text		338
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		339
	Transaction <Tx>	[1..1]			339
	ClosePeriod <ClsPrd>	[0..1]	Indicator		339
	ReconciliationTransactionIdentification <RcncltnTxId>	[1..1]	±		339
	ReconciliationIdentification <RcncltnId>	[1..1]	Text		340
	TransactionTotals <TxTtls>	[0..*]			340
	POIGroupIdentification <POIGrpld>	[0..1]	Text		340
	CardBrand <CardBrnd>	[0..1]	Text		340
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		340
	Currency <Ccy>	[0..1]	CodeSet	C1	341
	Type <Tp>	[1..1]	CodeSet		341
	TotalNumber <TtlNb>	[1..1]	Quantity		341
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		341
	AdditionalTransactionData <AddtlTxData>	[0..1]	Text		341
	SecurityTrailer <SctyTrlr>	[0..1]	±		342

## 11.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C3 ValidationByTable

Must be a valid terrestrial language.

## 11.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 11.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Reconciliation response message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		327
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		329
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		329
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		329
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		329
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		329
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		330
	<b>Traceability</b> <Tracblt>	[0..*]	±		330

#### 11.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.

CodeName	Name	Definition
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.

CodeName	Name	Definition
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 11.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 11.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 11.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 11.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 11.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 11.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

#### 11.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 11.4.2 ReconciliationResponse <RcncltnRspn>

*Presence:* [1..1]

*Definition:* Information related to the reconciliation response.

**ReconciliationResponse <RcncltnRspn>** contains the following **AcceptorReconciliationResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envnt>	[1..1]	±		332
	<b>TransactionResponse</b> <TxRspn>	[1..1]			338
	<b>Response</b> <Rspn>	[1..1]	CodeSet		338
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		338
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		339
	<b>Transaction</b> <Tx>	[1..1]			339
	<b>ClosePeriod</b> <ClsPrd>	[0..1]	Indicator		339
	<b>ReconciliationTransactionIdentification</b> <RcncltnTxId>	[1..1]	±		339
	<b>ReconciliationIdentification</b> <RcncltnId>	[1..1]	Text		340
	<b>TransactionTotals</b> <TxTtls>	[0..*]			340
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		340
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		340
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		340
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	341
	<b>Type</b> <Tp>	[1..1]	CodeSet		341
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		341
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		341
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..1]	Text		341

#### **11.4.2.1 Environment <Envt>**

*Presence:* [1..1]

*Definition:* Environment of the transaction.



**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 11.4.2.2 TransactionResponse <TxRspn>

*Presence:* [1..1]

*Definition:* Response from the acquirer to the reconciliation transaction.

**TransactionResponse <TxRspn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		338
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		338
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		339

##### 11.4.2.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the transaction.

*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

##### 11.4.2.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

**11.4.2.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1397**11.4.2.3 Transaction <Tx>***Presence:* [1..1]*Definition:* Reconciliation transaction between an acceptor and an acquirer.**Transaction <Tx>** contains the following **TransactionReconciliation5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ClosePeriod</b> <ClsPrd>	[0..1]	Indicator		339
	<b>ReconciliationTransactionIdentification</b> <RcncltnTxId>	[1..1]	±		339
	<b>ReconciliationIdentification</b> <RcncltnId>	[1..1]	Text		340
	<b>TransactionTotals</b> <TxTtls>	[0..*]			340
	<b>POIGroupIdentification</b> <POIGrpld>	[0..1]	Text		340
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		340
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		340
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	341
	<b>Type</b> <Tp>	[1..1]	CodeSet		341
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		341
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		341
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..1]	Text		341

**11.4.2.3.1 ClosePeriod <ClsPrd>***Presence:* [0..1]*Definition:* Indicates if the transaction requires a closure of the reconciliation period.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**11.4.2.3.2 ReconciliationTransactionIdentification <RcncltnTxId>***Presence:* [1..1]*Definition:* Unique identification of a reconciliation transaction.

**ReconciliationTransactionIdentification <RcncltnTxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 11.4.2.3.3 ReconciliationIdentification <RcncltnId>

*Presence:* [1..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer.

*Datatype:* "Max35Text" on page 1399

#### 11.4.2.3.4 TransactionTotals <TxTtls>

*Presence:* [0..\*]

*Definition:* Transaction totals during the reconciliation period for a certain type of transaction.

**TransactionTotals <TxTtls>** contains the following **TransactionTotals12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		340
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		340
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		340
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	341
	<b>Type</b> <Tp>	[1..1]	CodeSet		341
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		341
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		341

##### 11.4.2.3.4.1 POIGroupIdentification <POIGrpId>

*Presence:* [0..1]

*Definition:* Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

*Datatype:* "Max35Text" on page 1399

##### 11.4.2.3.4.2 CardBrand <CardBrnd>

*Presence:* [0..1]

*Definition:* Brand name of the card.

*Datatype:* "Max35Text" on page 1399

##### 11.4.2.3.4.3 CardProductProfile <CardPdctPrfl>

*Presence:* [0..1]

*Definition:* Category of cards related the acceptance processing rules defined by the acquirer.



*Datatype:* "Max35Text" on page 1399

#### 11.4.2.3.4.4 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction totals.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 11.4.2.3.4.5 Type <Tp>

*Presence:* [1..1]

*Definition:* Identification of the type of transaction.

*Datatype:* "TypeTransactionTotals2Code" on page 1389

CodeName	Name	Definition
CRDT	Credit	Credit transactions (refund, account, cash service, as defined in the transaction service type).
CRDR	CreditReverse	Reversal of credit transactions (cancellation).
DEBT	Debit	Debit transactions on the cardholder account.
DBTR	DebitReverse	Reversal of debit transactions (cancellation).
DECL	Declined	Declined transactions.
FAIL	Failed	Failed transactions.

#### 11.4.2.3.4.6 TotalNumber <TtlNb>

*Presence:* [1..1]

*Definition:* Total number of transactions during a reconciliation period.

*Datatype:* "Number" on page 1395

#### 11.4.2.3.4.7 CumulativeAmount <CmltvAmt>

*Presence:* [1..1]

*Definition:* Total amount of a collection of transactions.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 11.4.2.3.5 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..1]

*Definition:* Additional information related to the reconciliation transaction.

*Datatype:* "Max70Text" on page 1400

### 11.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# 12 caaa.011.001.11 AcceptorBatchTransferV11

## 12.1 MessageDefinition Functionality

The AcceptorBatchTransfer is sent by an acceptor (or its agent) to transfer the financial data of a collection of transactions to the acquirer (or its agent).

### Outline

The AcceptorBatchTransferV11 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Batch capture message management information.

B. BatchTransfer

Card payment transactions from one or several data set of transactions.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

## 12.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrBtchTrf>	[1..1]			
	Header <Hdr>	[1..1]			346
	DownloadTransfer <DwnldTrf>	[1..1]	Indicator		346
	FormatVersion <FrmtVrsn>	[1..1]	Text		347
	ExchangeIdentification <XchgId>	[1..1]	Quantity		347
	CreationDateTime <CreDtTm>	[1..1]	DateTime		347
	InitiatingParty <InitgPty>	[1..1]	±		347
	RecipientParty <RcptPty>	[0..1]	±		347
	BatchTransfer <BtchTrf>	[1..1]			348
	TransactionTotals <TxTtls>	[0..*]			350
	POIGroupIdentification <POIGrpId>	[0..1]	Text		350
	CardBrand <CardBrnd>	[0..1]	Text		351
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		351
	Currency <Ccy>	[0..1]	CodeSet	C1	351
	Type <Tp>	[1..1]	CodeSet		351
	TotalNumber <TtlNb>	[1..1]	Quantity		351
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		352
	DataSet <DataSet>	[0..*]			352
	DataSetIdentification <DataSetId>	[1..1]			354
	Name <Nm>	[1..1]	Text		354
	Type <Tp>	[1..1]	CodeSet		354
	Version <Vrsn>	[0..1]	Text		355
	CreationDateTime <CreDtTm>	[1..1]	DateTime		355
	Traceability <Tracblt>	[0..*]	±		355
	DataSetInitiator <DataSetInitr>	[0..1]	±		355
	TransactionTotals <TxTtls>	[1..*]			356
	POIGroupIdentification <POIGrpId>	[0..1]	Text		356
	CardBrand <CardBrnd>	[0..1]	Text		356
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		356
	Currency <Ccy>	[0..1]	CodeSet	C1	357

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Type</b> <Tp>	[1..1]	CodeSet		357
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		357
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		357
	<b>CommonData</b> <CmonData>	[0..1]			357
	<b>Environment</b> <Envt>	[0..1]	±		358
	<b>Context</b> <Cntxt>	[0..1]	±		364
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		367
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		367
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		368
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		368
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		369
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	369
	<b>Transaction</b> <Tx>	[1..*]			369
{Or	<b>Completion</b> <Cmpltn>	[1..1]	±		369
Or	<b>Cancellation</b> <Cxl>	[1..1]	±		375
Or	<b>AuthorisationRequest</b> <AuthstnReq>	[1..1]	±		377
Or	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]	±		381
Or	<b>TokenRequest</b> <TknReq>	[1..1]			386
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		386
	<b>Environment</b> <Envt>	[1..1]	±		386
Or}	<b>TokenResponse</b> <TknRspn>	[1..1]			392
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		392
	<b>Environment</b> <Envt>	[1..1]	±		392
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		398

## 12.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**C2 AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

**C3 Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

**C4 IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

**C5 ValidationByTable**

Must be a valid terrestrial language.

**C6 ValidationByTable**

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

## 12.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 12.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Batch capture message management information.

**Header <Hdr>** contains the following **Header56** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DownloadTransfer</b> <DwnldTrf>	[1..1]	Indicator		346
	<b>FormatVersion</b> <FrmtVrsn>	[1..1]	Text		347
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		347
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		347
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		347
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		347

#### 12.4.1.1 DownloadTransfer <DwnldTrf>

*Presence:* [1..1]

*Definition:* Indicates if the file transfer is a download or an upload.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**12.4.1.2 FormatVersion <FrmtVrsn>***Presence:* [1..1]*Definition:* Version of file format.*Datatype:* "Max6Text" on page 1400**12.4.1.3 ExchangeIdentification <XchgId>***Presence:* [1..1]*Definition:* Unique identification of an exchange occurrence.*Datatype:* "Number" on page 1395**12.4.1.4 CreationDateTime <CreDtTm>***Presence:* [1..1]*Definition:* Date and time at which the file or message was created.*Datatype:* "ISODateTime" on page 1392**12.4.1.5 InitiatingParty <InitgPty>***Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

**12.4.1.6 RecipientParty <RcptPty>***Presence:* [0..1]*Definition:* Unique identification of the partner that is the recipient of the exchange.

**RecipientParty <RcptPty>** contains the following elements (see "GenericIdentification177" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

## 12.4.2 BatchTransfer <BtchTrf>

*Presence:* [1..1]

*Definition:* Card payment transactions from one or several data set of transactions.



**BatchTransfer <BtchTrf>** contains the following **CardPaymentBatchTransfer10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionTotals</b> <TxTtls>	[0..*]			350
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		350
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		351
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		351
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	351
	<b>Type</b> <Tp>	[1..1]	CodeSet		351
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		351
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		352
	<b>DataSet</b> <DataSet>	[0..*]			352
	<b>DataSetIdentification</b> <DataSetId>	[1..1]			354
	<b>Name</b> <Nm>	[1..1]	Text		354
	<b>Type</b> <Tp>	[1..1]	CodeSet		354
	<b>Version</b> <Vrsn>	[0..1]	Text		355
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		355
	<b>Traceability</b> <Tracblt>	[0..*]	±		355
	<b>DataSetInitiator</b> <DataSetInitr>	[0..1]	±		355
	<b>TransactionTotals</b> <TxTtls>	[1..*]			356
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		356
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		356
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		356
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	357
	<b>Type</b> <Tp>	[1..1]	CodeSet		357
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		357
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		357
	<b>CommonData</b> <CmonData>	[0..1]			357
	<b>Environment</b> <Envt>	[0..1]	±		358
	<b>Context</b> <Cntxt>	[0..1]	±		364
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		367
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		367
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		368
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		368

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		369
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	369
	<b>Transaction</b> <Tx>	[1..*]			369
{Or	<b>Completion</b> <Cmpltn>	[1..1]	±		369
Or	<b>Cancellation</b> <Cxl>	[1..1]	±		375
Or	<b>AuthorisationRequest</b> <AuthstnReq>	[1..1]	±		377
Or	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]	±		381
Or	<b>TokenRequest</b> <TknReq>	[1..1]			386
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		386
	<b>Environment</b> <Envt>	[1..1]	±		386
Or}	<b>TokenResponse</b> <TknRspn>	[1..1]			392
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		392
	<b>Environment</b> <Envt>	[1..1]	±		392

### 12.4.2.1 TransactionTotals <TxTtls>

*Presence:* [0..\*]

*Definition:* Totals of transactions of all the data sets.

**TransactionTotals <TxTtls>** contains the following **TransactionTotals12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		350
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		351
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		351
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	351
	<b>Type</b> <Tp>	[1..1]	CodeSet		351
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		351
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		352

#### 12.4.2.1.1 POIGroupIdentification <POIGrpId>

*Presence:* [0..1]

*Definition:* Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

*Datatype:* "Max35Text" on page 1399

**12.4.2.1.2 CardBrand <CardBrnd>***Presence:* [0..1]*Definition:* Brand name of the card.*Datatype:* "Max35Text" on page 1399**12.4.2.1.3 CardProductProfile <CardPdctPrfl>***Presence:* [0..1]*Definition:* Category of cards related the acceptance processing rules defined by the acquirer.*Datatype:* "Max35Text" on page 1399**12.4.2.1.4 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency associated with the transaction totals.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**12.4.2.1.5 Type <Tp>***Presence:* [1..1]*Definition:* Identification of the type of transaction.*Datatype:* "TypeTransactionTotals2Code" on page 1389

CodeName	Name	Definition
CRDT	Credit	Credit transactions (refund, account, cash service, as defined in the transaction service type).
CRDR	CreditReverse	Reversal of credit transactions (cancellation).
DEBT	Debit	Debit transactions on the cardholder account.
DBTR	DebitReverse	Reversal of debit transactions (cancellation).
DECL	Declined	Declined transactions.
FAIL	Failed	Failed transactions.

**12.4.2.1.6 TotalNumber <TtlNb>***Presence:* [1..1]*Definition:* Total number of transactions during a reconciliation period.

*Datatype:* "Number" on page 1395

#### **12.4.2.1.7 CumulativeAmount <CmltvAmt>**

*Presence:* [1..1]

*Definition:* Total amount of a collection of transactions.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **12.4.2.2 DataSet <DataSet>**

*Presence:* [0..\*]

*Definition:* Card payment transactions from one data set of transactions.

**DataSet <DataSet>** contains the following **CardPaymentDataSet29** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DataSetIdentification</b> <DataSetId>	[1..1]			354
	<b>Name</b> <Nm>	[1..1]	Text		354
	<b>Type</b> <Tp>	[1..1]	CodeSet		354
	<b>Version</b> <Vrsn>	[0..1]	Text		355
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		355
	<b>Traceability</b> <Tracblt>	[0..*]	±		355
	<b>DataSetInitiator</b> <DataSetInitr>	[0..1]	±		355
	<b>TransactionTotals</b> <TxTtls>	[1..*]			356
	<b>POIGroupIdentification</b> <POIGrpld>	[0..1]	Text		356
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		356
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		356
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	357
	<b>Type</b> <Tp>	[1..1]	CodeSet		357
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		357
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		357
	<b>CommonData</b> <CmonData>	[0..1]			357
	<b>Environment</b> <Envnt>	[0..1]	±		358
	<b>Context</b> <Cntxt>	[0..1]	±		364
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		367
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		367
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		368
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		368
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		369
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	369
	<b>Transaction</b> <Tx>	[1..*]			369
{Or	<b>Completion</b> <Cmpltn>	[1..1]	±		369
Or	<b>Cancellation</b> <Cxl>	[1..1]	±		375
Or	<b>AuthorisationRequest</b> <AuthstnReq>	[1..1]	±		377
Or	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]	±		381
Or	<b>TokenRequest</b> <TknReq>	[1..1]			386
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		386

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		386
Or}	<b>TokenResponse</b> <TknRspn>	[1..1]			392
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		392
	<b>Environment</b> <Envt>	[1..1]	±		392

#### 12.4.2.2.1 DataSetIdentification <DataSetId>

*Presence:* [1..1]

*Definition:* Identification of the data set.

**DataSetIdentification** <DataSetId> contains the following **DataSetIdentification5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		354
	<b>Type</b> <Tp>	[1..1]	CodeSet		354
	<b>Version</b> <Vrsn>	[0..1]	Text		355
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		355

##### 12.4.2.2.1.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name of the data set.

*Datatype:* "Max256Text" on page 1398

##### 12.4.2.2.1.2 Type <Tp>

*Presence:* [1..1]

*Definition:* Category of data set.

*Datatype:* "DataSetCategory8Code" on page 1363

CodeName	Name	Definition
SWPK	SoftwareModule	Software module.
VDPR	VendorParameters	Point of interaction parameters defined by the manufacturer for instance the PIN verification capabilities.
AQPR	AcquirerParameters	Acquirer specific configuration parameters for the point of interaction (POI) system.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).
TXCP	BatchCapture	Batch upload of transaction data (data capture of a group of transactions).
AKCP	CaptureResponse	Batch download response for the batch capture of transactions.

CodeName	Name	Definition
STRP	StatusReport	Report of software configuration and parameter status.
DLGT	DelegationData	Data needed to create a terminal management sub-domain.
MGTP	ManagementPlan	Configuration of management plan in the point of interaction.
RCLE	ReconciliationError	Batch of transaction that have generated an error in the totals of the reconciliation.

#### 12.4.2.2.1.3 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data set.

*Datatype:* "Max256Text" on page 1398

#### 12.4.2.2.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time of creation of the data set.

*Datatype:* "ISODateTime" on page 1392

#### 12.4.2.2.2 Traceability <Tracblt>

*Presence:* [0..\*]

*Definition:* Identification of partners involved in the data set building.

**Traceability <Tracblt>** contains the following elements (see "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

#### 12.4.2.2.3 DataSetInitiator <DataSetInitr>

*Presence:* [0..1]

*Definition:* Initiator of the data set.

**DataSetInitiator <DataSetIntr>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 12.4.2.2.4 TransactionTotals <TxTtls>

*Presence:* [1..\*]

*Definition:* Transaction totals of the data set.

**TransactionTotals <TxTtls>** contains the following **TransactionTotals12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		356
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		356
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		356
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	357
	<b>Type</b> <Tp>	[1..1]	CodeSet		357
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		357
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		357

##### 12.4.2.2.4.1 POIGroupIdentification <POIGrpId>

*Presence:* [0..1]

*Definition:* Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

*Datatype:* "[Max35Text](#)" on page 1399

##### 12.4.2.2.4.2 CardBrand <CardBrnd>

*Presence:* [0..1]

*Definition:* Brand name of the card.

*Datatype:* "[Max35Text](#)" on page 1399

##### 12.4.2.2.4.3 CardProductProfile <CardPdctPrfl>

*Presence:* [0..1]

*Definition:* Category of cards related the acceptance processing rules defined by the acquirer.

*Datatype:* "[Max35Text](#)" on page 1399



**12.4.2.2.4.4 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency associated with the transaction totals.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**12.4.2.2.4.5 Type <Tp>***Presence:* [1..1]*Definition:* Identification of the type of transaction.*Datatype:* "TypeTransactionTotals2Code" on page 1389

CodeName	Name	Definition
CRDT	Credit	Credit transactions (refund, account, cash service, as defined in the transaction service type).
CRDR	CreditReverse	Reversal of credit transactions (cancellation).
DEBT	Debit	Debit transactions on the cardholder account.
DBTR	DebitReverse	Reversal of debit transactions (cancellation).
DECL	Declined	Declined transactions.
FAIL	Failed	Failed transactions.

**12.4.2.2.4.6 TotalNumber <TtlNb>***Presence:* [1..1]*Definition:* Total number of transactions during a reconciliation period.*Datatype:* "Number" on page 1395**12.4.2.2.4.7 CumulativeAmount <CmltvAmt>***Presence:* [1..1]*Definition:* Total amount of a collection of transactions.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**12.4.2.2.5 CommonData <CmonData>***Presence:* [0..1]*Definition:* Data common to all transactions of the data set.

**CommonData** <CmonData> contains the following **CommonData11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[0..1]	±		358
	<b>Context</b> <Cntxt>	[0..1]	±		364
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		367
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		367
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		368
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		368
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		369
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	369

#### 12.4.2.2.5.1 Environment <Envt>

*Presence:* [0..1]

*Definition:* Data related to the environment of the transaction, common to a set of transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LtyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 12.4.2.2.5.2 Context <Cntxt>

*Presence:* [0..1]

*Definition:* Data related to the context of the transaction, common to a set of transaction.



**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

#### 12.4.2.2.5.3 TransactionType <TxTp>

*Presence:* [0..1]

*Definition:* Type of transaction being undertaken for the main service, common to a set of transaction.

*Datatype:* "CardPaymentServiceType12Code" on page 1357

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

#### 12.4.2.2.5.4 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 12.4.2.2.5.5 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 12.4.2.2.5.6 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [0..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402

**12.4.2.2.5.7 ReconciliationIdentification <RcncltnId>***Presence:* [0..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.*Datatype:* "Max35Text" on page 1399**12.4.2.2.5.8 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency associated with the set of transaction.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**12.4.2.2.6 Transaction <Tx>***Presence:* [1..\*]*Definition:* Set of transaction to Process.

**Transaction <Tx>** contains one of the following **CardPaymentDataSetTransaction10Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>Completion</b> <Cmpltn>	[1..1]	±		369
Or	<b>Cancellation</b> <Cxl>	[1..1]	±		375
Or	<b>AuthorisationRequest</b> <AuthstnReq>	[1..1]	±		377
Or	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]	±		381
Or	<b>TokenRequest</b> <TknReq>	[1..1]			386
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		386
	<b>Environment</b> <Envt>	[1..1]	±		386
Or}	<b>TokenResponse</b> <TknRspn>	[1..1]			392
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		392
	<b>Environment</b> <Envt>	[1..1]	±		392

**12.4.2.2.6.1 Completion <Cmpltn>***Presence:* [1..1]

*Definition:* Completed card payment transaction to be captured.

**Completion <Cmpltn>** contains the following elements (see "CardPaymentDataSetTransaction41" on page 990 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionSequenceCounter <TxSeqCntr>	[1..1]	Text		995
	Traceability <Tracblt>	[0..*]	±		995
	Environment <Envt>	[1..1]	±		995
	Context <Cntxt>	[0..1]	±		1001
	Transaction <Tx>	[1..1]			1004
	TransactionCapture <TxCaptr>	[0..1]	Indicator		1009
	TransactionType <TxTp>	[0..1]	CodeSet		1009
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1010
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1010
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		1011
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		1011
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1011
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		1011
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		1011
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1012
	TransactionIdentification <TxId>	[1..1]	±		1012
	OriginalTransaction <OrgnlTx>	[0..1]	±		1012
	TransactionSuccess <TxSucss>	[1..1]	Indicator		1013
	Reversal <Rvsl>	[0..1]	Indicator		1013
	MerchantOverride <MrchntOvrrd>	[0..1]	Indicator		1014
	FailureReason <FailrRsn>	[0..*]	CodeSet		1014
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1014
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1015
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1015
	InterchangeData <IntrchgData>	[0..1]	Text		1015
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		1015
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		1015
	TransactionDetails <TxDtls>	[1..1]			1015
	Currency <Ccy>	[0..1]	CodeSet	C1	1017
	TotalAmount <TtlAmt>	[1..1]	Amount		1018

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		1018
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1018
	DetailedAmount <DtlAmt>	[0..1]	±		1018
	RequestedAmount <ReqdAmt>	[0..1]	Amount		1019
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		1019
	InvoiceAmount <InvcAmt>	[0..1]	Amount		1019
	ValidityDate <VldtyDt>	[0..1]	Date		1019
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		1019
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		1020
	AccountType <AcctTp>	[0..1]	CodeSet		1020
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			1021
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1023
	Conversion <Convs>	[0..1]			1023
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1024
	TargetCurrency <TrgtCcy>	[1..1]			1025
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1025
	NumericCode <NmrcCd>	[1..1]	Text		1025
	Decimal <Dcml>	[1..1]	Quantity		1025
	Name <Nm>	[0..1]	Text		1025
	ResultingAmount <RsltAmt>	[1..1]	Amount		1025
	ExchangeRate <XchgRate>	[1..1]	Rate		1026
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1026
	QuotationDate <QtnDt>	[0..1]	DateTime		1026
	ValidUntil <VldUntil>	[0..1]	DateTime		1026
	SourceCurrency <SrcCcy>	[1..1]			1026
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1026
	NumericCode <NmrcCd>	[0..1]	Text		1027
	Decimal <Dcml>	[0..1]	Quantity		1027
	Name <Nm>	[0..1]	Text		1027
	OriginalAmount <OrgnlAmt>	[1..1]			1027
	ActualAmount <ActlAmt>	[0..1]	Amount		1027



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MinimumAmount <MinAmt>	[0..1]	Amount		1027
	MaximumAmount <MaxAmt>	[0..1]	Amount		1028
	CommissionDetails <ComssnDtls>	[0..*]			1028
	Amount <Amt>	[1..1]	Amount		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	MarkUpDetails <MrkUpDtls>	[0..*]			1028
	Rate <Rate>	[1..1]	Rate		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	DeclarationDetails <DclrtDtls>	[0..*]	±		1029
	Instalment <Instlmt>	[0..*]	±		1029
	AggregationTransaction <AggtnTx>	[0..1]	±		1030
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		1031
	SaleItem <Saleitm>	[0..*]	±		1031
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1032
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		1032
	AdditionalInformation <AddtlInf>	[0..*]			1032
	Identification <Id>	[1..1]	Text		1033
	Value <Val>	[0..1]	Binary		1033
	ProtectedValue <PrctdVal>	[0..1]	±		1033
	Type <Tp>	[0..1]	Text		1033
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1033
	AuthorisationResult <AuthstnRslt>	[0..1]			1034
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1034
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1034
	Response <Rspn>	[1..1]	CodeSet		1035
	ResponseReason <RspnRsn>	[0..1]	Text		1035
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1035
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1035
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1035
	Method <Mtd>	[1..1]	CodeSet		1036
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1036

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1037
	AdditionalResult <AddtlRslt>	[0..1]	Text		1037
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		1037
	AccountFrom <AcctFr>	[0..1]			1037
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1038
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1039
	AccountName <AcctNm>	[0..1]	Text		1039
	AccountOwner <AcctOwnr>	[0..1]			1040
	Name <Nm>	[1..1]	Text		1040
	Address <Adr>	[1..1]	±		1040
	Currency <Ccy>	[0..1]	CodeSet	C1	1040
	AccountIdentifier <AcctIdr>	[0..1]			1041
{Or	Card <Card>	[1..1]	Text		1041
Or	MSISDN <MSISDN>	[1..1]	Text		1041
Or	EMail <EMail>	[1..1]	Text		1041
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1041
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1042
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1042
Or	Domestic <Dmst>	[1..1]	Text		1042
Or}	Other <Othr>	[1..1]	Text		1042
	Servicer <Svcr>	[0..1]			1042
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1043
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1043
	AccountTo <AcctTo>	[0..1]			1043
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1044
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1045
	AccountName <AcctNm>	[0..1]	Text		1045
	AccountOwner <AcctOwnr>	[0..1]			1046
	Name <Nm>	[1..1]	Text		1046
	Address <Adr>	[1..1]	±		1046
	Currency <Ccy>	[0..1]	CodeSet	C1	1046

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountIdentifier <AcctIdr>	[0..1]			1047
{Or	Card <Card>	[1..1]	Text		1047
Or	MSISDN <MSISDN>	[1..1]	Text		1047
Or	EMail <EMail>	[1..1]	Text		1047
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1047
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1048
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1048
Or	Domestic <Dmst>	[1..1]	Text		1048
Or}	Other <Othr>	[1..1]	Text		1048
	Servicer <Svcr>	[0..1]			1048
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1049
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1049
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		1049

#### 12.4.2.2.6.2 Cancellation <Cxl>

*Presence:* [1..1]

*Definition:* Cancelled card payment transaction to be captured.

**Cancellation <Cxl>** contains the following elements (see "[CardPaymentDataSetTransaction39](#)" on page 864 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionSequenceCounter <TxSeqCntr>	[1..1]	Text		866
	Traceability <Tracblt>	[0..*]	±		866
	Environment <Envt>	[1..1]	±		866
	Context <Cntxt>	[0..1]	±		872
	Transaction <Tx>	[1..1]			875
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		877
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		877
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		877
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		877
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		877
	TransactionIdentification <TxId>	[1..1]	±		877
	OriginalTransaction <OrgnlTx>	[0..1]	±		878
	TransactionSuccess <TxSucss>	[1..1]	Indicator		878
	Reversal <Rvsl>	[0..1]	Indicator		879
	FailureReason <FailrRsn>	[0..*]	CodeSet		879
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		879
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		880
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		880
	InterchangeData <IntrchnngData>	[0..1]	Text		880
	TransactionDetails <TxDtls>	[1..1]			880
	Currency <Ccy>	[0..1]	CodeSet	C1	880
	TotalAmount <TtlAmt>	[1..1]	Amount		881
	ValidityDate <VldtyDt>	[0..1]	Date		881
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		881
	KeepAuthorisationOpen <KeepAuthstnOpn>	[0..1]	Indicator		881
	AuthorisationResult <AuthstnRslt>	[0..1]			881
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		882
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			882
	Response <Rspn>	[1..1]	CodeSet		883
	ResponseReason <RspnRsn>	[0..1]	Text		883

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		883
	AuthorisationCode <AuthstnCd>	[0..1]	Text		883
	TMSTrigger <TMSTrggr>	[0..1]			883
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		883
	TMSIdentification <TMSId>	[0..1]	Text		884
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		884
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		884

#### 12.4.2.2.6.3 AuthorisationRequest <AuthstnReq>

*Presence:* [1..1]

*Definition:* Card payment transaction including an authorisation request.

**AuthorisationRequest <AuthstnReq>** contains the following elements (see "CardPaymentDataSetTransaction40" on page 936 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionSequenceCounter <TxSeqCntr>	[1..1]	Text		940
	Traceability <Tracblt>	[0..*]	±		940
	Environment <Envt>	[1..1]	±		941
	Context <Cntxt>	[0..1]	±		947
	Transaction <Tx>	[1..1]			950
	TransactionCapture <TxCaptr>	[1..1]	Indicator		954
	TransactionType <TxTp>	[0..1]	CodeSet		954
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		955
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		956
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		956
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		956
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		957
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		957
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		957
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		957
	TransactionIdentification <TxId>	[1..1]	±		957
	OriginalTransaction <OrgnlTx>	[0..1]	±		957
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		958
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		958
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		958
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		959
	TransactionDetails <TxDtls>	[1..1]			959
	Currency <Ccy>	[0..1]	CodeSet	C1	961
	TotalAmount <TtlAmt>	[1..1]	Amount		962
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		962
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		962
	DetailedAmount <DtldAmt>	[0..1]	±		962
	RequestedAmount <ReqdAmt>	[0..1]	Amount		963
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		963
	InvoiceAmount <InvAmt>	[0..1]	Amount		963

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ValidityDate <VldtyDt>	[0..1]	Date		963
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		963
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		964
	AccountType <AcctTp>	[0..1]	CodeSet		964
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			965
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		967
	Conversion <Convs>	[0..1]			967
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		968
	TargetCurrency <TrgtCcy>	[1..1]			969
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	969
	NumericCode <NmrcCd>	[1..1]	Text		969
	Decimal <Dcml>	[1..1]	Quantity		969
	Name <Nm>	[0..1]	Text		969
	ResultingAmount <RsltAmt>	[1..1]	Amount		969
	ExchangeRate <XchgRate>	[1..1]	Rate		970
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		970
	QuotationDate <QtnDt>	[0..1]	DateTime		970
	ValidUntil <VldUntil>	[0..1]	DateTime		970
	SourceCurrency <SrcCcy>	[1..1]			970
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	970
	NumericCode <NmrcCd>	[0..1]	Text		971
	Decimal <Dcml>	[0..1]	Quantity		971
	Name <Nm>	[0..1]	Text		971
	OriginalAmount <OrgnlAmt>	[1..1]			971
	ActualAmount <ActlAmt>	[0..1]	Amount		971
	MinimumAmount <MinAmt>	[0..1]	Amount		971
	MaximumAmount <MaxAmt>	[0..1]	Amount		972
	CommissionDetails <ComssnDtls>	[0..*]			972
	Amount <Amt>	[1..1]	Amount		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	MarkUpDetails <MrkUpDtls>	[0..*]			972

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	DeclarationDetails <DclrtnDtls>	[0..*]	±		973
	Instalment <Instlmt>	[0..*]	±		973
	AggregationTransaction <AggtnTx>	[0..1]	±		974
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		975
	SaleItem <SaleItm>	[0..*]	±		975
	DeliveryLocation <DlvryLctn>	[0..1]	Text		976
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		976
	AdditionalInformation <AddtlInf>	[0..*]			976
	Identification <Id>	[1..1]	Text		977
	Value <Val>	[0..1]	Binary		977
	ProtectedValue <PrctcdVal>	[0..1]	±		977
	Type <Tp>	[0..1]	Text		977
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		977
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		978
	AccountFrom <AcctFr>	[0..1]			978
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		978
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		979
	AccountName <AcctNm>	[0..1]	Text		980
	AccountOwner <AcctOwnr>	[0..1]			980
	Name <Nm>	[1..1]	Text		980
	Address <Adr>	[1..1]	±		980
	Currency <Ccy>	[0..1]	CodeSet	C1	981
	AccountIdentifier <AcctIdr>	[0..1]			981
{Or	Card <Card>	[1..1]	Text		982
Or	MSISDN <MSISDN>	[1..1]	Text		982
Or	EMail <EMail>	[1..1]	Text		982
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	982
Or	BBAN <BBAN>	[1..1]	IdentifierSet		983
Or	UPIC <UPIC>	[1..1]	IdentifierSet		983



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	Domestic <Dmst>	[1..1]	Text		983
Or}	Other <Othr>	[1..1]	Text		983
	Servicer <Svcr>	[0..1]			983
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	983
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		984
	AccountTo <AcctTo>	[0..1]			984
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		985
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		986
	AccountName <AcctNm>	[0..1]	Text		986
	AccountOwner <AcctOwnr>	[0..1]			987
	Name <Nm>	[1..1]	Text		987
	Address <Adr>	[1..1]	±		987
	Currency <Ccy>	[0..1]	CodeSet	C1	987
	AccountIdentifier <AcctIdr>	[0..1]			988
{Or	Card <Card>	[1..1]	Text		988
Or	MSISDN <MSISDN>	[1..1]	Text		988
Or	EMail <EMail>	[1..1]	Text		988
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	988
Or	BBAN <BBAN>	[1..1]	IdentifierSet		989
Or	UPIC <UPIC>	[1..1]	IdentifierSet		989
Or	Domestic <Dmst>	[1..1]	Text		989
Or}	Other <Othr>	[1..1]	Text		989
	Servicer <Svcr>	[0..1]			989
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	990
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		990
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		990

#### 12.4.2.2.6.4 AuthorisationResponse <AuthstnRspn>

*Presence:* [1..1]

*Definition:* Card payment transaction including an authorisation response.

**AuthorisationResponse <AuthstnRspn>** contains the following elements (see "CardPaymentDataSetTransaction38" on page 884 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionSequenceCounter <TxSeqCntr>	[1..1]	Text		889
	Traceability <Tracblt>	[0..*]	±		889
	Environment <Envt>	[1..1]	±		889
	Transaction <Tx>	[1..1]			895
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		898
	TransactionIdentification <TxId>	[1..1]	±		898
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		898
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		898
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		898
	InterchangeData <IntrchnngData>	[0..1]	Text		898
	TransactionDetails <TxDtls>	[1..1]			898
	Currency <Ccy>	[0..1]	CodeSet	C1	900
	TotalAmount <TtlAmt>	[1..1]	Amount		901
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		901
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		901
	DetailedAmount <DtldAmt>	[0..1]	±		901
	RequestedAmount <ReqdAmt>	[0..1]	Amount		902
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		902
	InvoiceAmount <InvcAmt>	[0..1]	Amount		902
	ValidityDate <VldtyDt>	[0..1]	Date		902
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		902
	UnattendedLevelCategory <UattnddLvICtgy>	[0..1]	Text		903
	AccountType <AcctTp>	[0..1]	CodeSet		903
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			904
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		906
	Conversion <Convrs>	[0..1]			906
	CurrencyConversionIdentification <CcyConvrsId>	[0..1]	Text		907
	TargetCurrency <TrgtCcy>	[1..1]			908
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	908
	NumericCode <NmrcCd>	[1..1]	Text		908

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[1..1]	Quantity		908
	Name <Nm>	[0..1]	Text		908
	ResultingAmount <RsltAmt>	[1..1]	Amount		908
	ExchangeRate <XchgRate>	[1..1]	Rate		909
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		909
	QuotationDate <QtnDt>	[0..1]	DateTime		909
	ValidUntil <VldUntil>	[0..1]	DateTime		909
	SourceCurrency <SrcCcy>	[1..1]			909
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	909
	NumericCode <NmrcCd>	[0..1]	Text		910
	Decimal <Dcml>	[0..1]	Quantity		910
	Name <Nm>	[0..1]	Text		910
	OriginalAmount <OrgnlAmt>	[1..1]			910
	ActualAmount <ActlAmt>	[0..1]	Amount		910
	MinimumAmount <MinAmt>	[0..1]	Amount		910
	MaximumAmount <MaxAmt>	[0..1]	Amount		911
	CommissionDetails <ComssnDtls>	[0..*]			911
	Amount <Amt>	[1..1]	Amount		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	MarkupDetails <MrkUpDtls>	[0..*]			911
	Rate <Rate>	[1..1]	Rate		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	DeclarationDetails <Dclrtndtls>	[0..*]	±		912
	Instalment <Instlmt>	[0..*]	±		912
	AggregationTransaction <AggtnTx>	[0..1]	±		913
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		914
	SaleItem <Saleitm>	[0..*]	±		914
	DeliveryLocation <DlvryLctn>	[0..1]	Text		915
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		915
	AdditionalInformation <AddtlInf>	[0..*]			915
	Identification <Id>	[1..1]	Text		916

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Value <Val>	[0..1]	Binary		916
	ProtectedValue <PrctcdVal>	[0..1]	±		916
	Type <Tp>	[0..1]	Text		916
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		916
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		917
	TransactionResponse <TxRspn>	[1..1]			917
	AuthorisationResult <AuthstnRslt>	[1..1]			920
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		920
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			920
	Response <Rspn>	[1..1]	CodeSet		921
	ResponseReason <RspnRsn>	[0..1]	Text		921
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		921
	AuthorisationCode <AuthstnCd>	[0..1]	Text		921
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		921
	TMSTrigger <TMSTrggr>	[0..1]			922
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		922
	TMSIdentification <TMSId>	[0..1]	Text		922
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		922
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			922
	Method <Mtd>	[1..1]	CodeSet		923
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		924
	Result <Rslt>	[0..1]	CodeSet		924
	AdditionalResult <AddtlRslt>	[0..1]	Text		924
	AllowedProductCode <AllwdPdctCd>	[0..*]			925
	ProductCode <PdctCd>	[1..1]	Text		925
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		925
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			925
	ProductCode <PdctCd>	[1..1]	Text		925
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		925
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			925
	ProductCode <PdctCd>	[1..1]	Text		926

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		926
	AmountLimit <AmtLmt>	[0..1]	Amount		926
	QuantityLimit <QtyLmt>	[0..1]	Quantity		926
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		926
	Balance <Bal>	[0..1]	±		928
	ProtectedBalance <PrtctdBal>	[0..1]	±		928
	Action <Actn>	[0..*]			929
	ActionType <ActnTp>	[1..1]	CodeSet		929
	MessageToPresent <MsgToPres>	[0..1]	±		930
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			930
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		931
	TargetCurrency <TrgtCcy>	[1..1]			932
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	932
	NumericCode <NmrcCd>	[1..1]	Text		932
	Decimal <Dcml>	[1..1]	Quantity		932
	Name <Nm>	[0..1]	Text		932
	ResultingAmount <RsltgAmt>	[1..1]	Amount		933
	ExchangeRate <XchgRate>	[1..1]	Rate		933
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		933
	QuotationDate <QtnDt>	[0..1]	DateTime		933
	ValidUntil <VldUntil>	[0..1]	DateTime		933
	SourceCurrency <SrcCcy>	[1..1]			933
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	933
	NumericCode <NmrcCd>	[0..1]	Text		934
	Decimal <Dcml>	[0..1]	Quantity		934
	Name <Nm>	[0..1]	Text		934
	OriginalAmount <OrgnlAmt>	[1..1]			934
	ActualAmount <ActlAmt>	[0..1]	Amount		934
	MinimumAmount <MinAmt>	[0..1]	Amount		934
	MaximumAmount <MaxAmt>	[0..1]	Amount		935
	CommissionDetails <ComssnDtls>	[0..*]			935

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		935
	AdditionalInformation <AddtlInf>	[0..1]	Text		935
	MarkUpDetails <MrkUpDtls>	[0..*]			935
	Rate <Rate>	[1..1]	Rate		935
	AdditionalInformation <AddtlInf>	[0..1]	Text		936
	DeclarationDetails <DclrtnDtls>	[0..*]	±		936

#### 12.4.2.2.6.5 TokenRequest <TknReq>

*Presence:* [1..1]

*Definition:* Request for a token computation.

**TokenRequest <TknReq>** contains the following **TokenRequestComponent2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		386
	<b>Environment</b> <Envt>	[1..1]	±		386

##### 12.4.2.2.6.5.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Identification of an element in a sequence.

*Datatype:* "Max9NumericText" on page 1401

##### 12.4.2.2.6.5.2 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 12.4.2.2.6.6 TokenResponse <TknRspn>

*Presence:* [1..1]

*Definition:* Response to a token computation.

**TokenResponse <TknRspn>** contains the following **TokenRequestComponent2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionSequenceCounter <TxSeqCntr>	[1..1]	Text		392
	Environment <Env>	[1..1]	±		392

##### 12.4.2.2.6.6.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Identification of an element in a sequence.

*Datatype:* "Max9NumericText" on page 1401

##### 12.4.2.2.6.6.2 Environment <Env>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <Crdhldrld>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <Drvrld>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LItyHdlg>	[0..1]	CodeSet		1202

### 12.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC or a digital signature.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# 13      caaa.012.001.10

## AcceptorBatchTransferResponseV10

### 13.1    MessageDefinition Functionality

The AcceptorBatchTransferResponse is sent by the acquirer (or its agent) to inform the acceptor (or its agent) of the transfer in a previous AcceptorBatchTransfer of a collection of transactions.

#### Outline

The AcceptorBatchTransferResponseV10 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
  - Capture advice response message management information.
- B. BatchTransferResponse
  - Information related to the previously sent set of transaction.
- C. SecurityTrailer
  - Trailer of the message containing a MAC or a digital signature.

## 13.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrBtchTrfRspn>	[1..1]			
	Header <Hdr>	[1..1]			403
	DownloadTransfer <DwnldTrf>	[1..1]	Indicator		403
	FormatVersion <FrmtVrsn>	[1..1]	Text		403
	ExchangeIdentification <XchgId>	[1..1]	Quantity		403
	CreationDateTime <CreDtTm>	[1..1]	DateTime		403
	InitiatingParty <InitgPty>	[1..1]	±		404
	RecipientParty <RcptPty>	[0..1]	±		404
	BatchTransferResponse <BtchTrfRspn>	[1..1]			405
	TransactionTotals <TxTtls>	[0..*]			408
	POIGroupIdentification <POIGrpId>	[0..1]	Text		408
	CardBrand <CardBrnd>	[0..1]	Text		408
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		409
	Currency <Ccy>	[0..1]	CodeSet	C1	409
	Type <Tp>	[1..1]	CodeSet		409
	TotalNumber <TtlNb>	[1..1]	Quantity		409
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		410
	DataSet <DataSet>	[0..*]			410
	DataSetIdentification <DataSetId>	[1..1]			413
	Name <Nm>	[1..1]	Text		413
	Type <Tp>	[1..1]	CodeSet		413
	Version <Vrsn>	[0..1]	Text		414
	CreationDateTime <CreDtTm>	[1..1]	DateTime		414
	DataSetResult <DataSetRslt>	[1..1]			414
	Response <Rspn>	[1..1]	CodeSet		414
	ResponseReason <RspnRsn>	[0..1]	Text		414
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		415
	RemoveDataSet <RmvDataSet>	[1..1]	Indicator		415
	DataSetInitiator <DataSetInitr>	[0..1]	±		415
	TransactionTotals <TxTtls>	[1..*]			415

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		416
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		416
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		416
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	416
	<b>Type</b> <Tp>	[1..1]	CodeSet		416
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		417
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		417
	<b>RejectedTransaction</b> <RjctdTx>	[0..*]			417
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		418
	<b>TransactionResponse</b> <TxRspn>	[1..1]			418
	<b>Response</b> <Rspn>	[1..1]	CodeSet		418
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		419
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		419
	<b>Environment</b> <Envnt>	[1..1]	±		419
	<b>Transaction</b> <Tx>	[1..1]			425
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		425
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		425
	<b>Response</b> <Rspn>	[1..1]	CodeSet		425
	<b>SuspendedTransaction</b> <SspdTx>	[0..*]			426
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		426
	<b>TransactionResponse</b> <TxRspn>	[1..1]			426
	<b>Response</b> <Rspn>	[1..1]	CodeSet		427
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		427
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		427
	<b>Environment</b> <Envnt>	[1..1]	±		427
	<b>Transaction</b> <Tx>	[1..1]			433
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		433
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		433
	<b>Response</b> <Rspn>	[1..1]	CodeSet		433
	<b>ResumedApproval</b> <RsmdApprvl>	[0..*]			434
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		434

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionResponse</b> <TxRspn>	[1..1]			434
	<b>Response</b> <Rspn>	[1..1]	CodeSet		435
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		435
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		435
	<b>Environment</b> <Envnt>	[1..1]	±		435
	<b>Transaction</b> <Tx>	[1..1]			441
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		441
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		441
	<b>Response</b> <Rspn>	[1..1]	CodeSet		441
	<b>ResumedRejection</b> <RsmrRjctn>	[0..*]			442
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		442
	<b>TransactionResponse</b> <TxRspn>	[1..1]			442
	<b>Response</b> <Rspn>	[1..1]	CodeSet		443
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		443
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		443
	<b>Environment</b> <Envnt>	[1..1]	±		443
	<b>Transaction</b> <Tx>	[1..1]			449
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		449
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		449
	<b>Response</b> <Rspn>	[1..1]	CodeSet		449
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		450

## 13.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C3 ValidationByTable

Must be a valid terrestrial language.

## 13.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 13.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Capture advice response message management information.

**Header <Hdr>** contains the following **Header56** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DownloadTransfer</b> <DwnldTrf>	[1..1]	Indicator		403
	<b>FormatVersion</b> <FrmtVrsn>	[1..1]	Text		403
	<b>Exchangeldentification</b> <Xchgld>	[1..1]	Quantity		403
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		403
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		404
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		404

#### 13.4.1.1 DownloadTransfer <DwnldTrf>

*Presence:* [1..1]

*Definition:* Indicates if the file transfer is a download or an upload.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

#### 13.4.1.2 FormatVersion <FrmtVrsn>

*Presence:* [1..1]

*Definition:* Version of file format.

*Datatype:* ["Max6Text"](#) on page 1400

#### 13.4.1.3 Exchangeldentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* ["Number"](#) on page 1395

#### 13.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the file or message was created.

*Datatype:* ["ISODatetime"](#) on page 1392

**13.4.1.5 InitiatingParty <InitgPty>***Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

**13.4.1.6 RecipientParty <RcptPty>***Presence:* [0..1]*Definition:* Unique identification of the partner that is the recipient of the exchange.**RecipientParty <RcptPty>** contains the following elements (see "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100



## 13.4.2      **BatchTransferResponse <BtchTrfRspn>**

*Presence:* [1..1]

*Definition:* Information related to the previously sent set of transaction.

**BatchTransferResponse <BtchTrfRspn>** contains the following  
**CardPaymentBatchTransferResponse9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionTotals</b> <TxTtls>	[0..*]			408
	<b>POIGrouplIdentification</b> <POIGrpld>	[0..1]	Text		408
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		408
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		409
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	409
	<b>Type</b> <Tp>	[1..1]	CodeSet		409
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		409
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		410
	<b>DataSet</b> <DataSet>	[0..*]			410
	<b>DataSetIdentification</b> <DataSetId>	[1..1]			413
	<b>Name</b> <Nm>	[1..1]	Text		413
	<b>Type</b> <Tp>	[1..1]	CodeSet		413
	<b>Version</b> <Vrsn>	[0..1]	Text		414
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		414
	<b>DataSetResult</b> <DataSetRslt>	[1..1]			414
	<b>Response</b> <Rspn>	[1..1]	CodeSet		414
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		414
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		415
	<b>RemoveDataSet</b> <RmvDataSet>	[1..1]	Indicator		415
	<b>DataSetInitiator</b> <DataSetInitr>	[0..1]	±		415
	<b>TransactionTotals</b> <TxTtls>	[1..*]			415
	<b>POIGrouplIdentification</b> <POIGrpld>	[0..1]	Text		416
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		416
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		416
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	416
	<b>Type</b> <Tp>	[1..1]	CodeSet		416
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		417
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		417
	<b>RejectedTransaction</b> <RjctdTx>	[0..*]			417
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		418

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionResponse</b> <TxRspn>	[1..1]			418
	<b>Response</b> <Rspn>	[1..1]	CodeSet		418
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		419
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		419
	<b>Environment</b> <Envt>	[1..1]	±		419
	<b>Transaction</b> <Tx>	[1..1]			425
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		425
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		425
	<b>Response</b> <Rspn>	[1..1]	CodeSet		425
	<b>SuspendedTransaction</b> <SspdTx>	[0..*]			426
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		426
	<b>TransactionResponse</b> <TxRspn>	[1..1]			426
	<b>Response</b> <Rspn>	[1..1]	CodeSet		427
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		427
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		427
	<b>Environment</b> <Envt>	[1..1]	±		427
	<b>Transaction</b> <Tx>	[1..1]			433
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		433
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		433
	<b>Response</b> <Rspn>	[1..1]	CodeSet		433
	<b>ResumedApproval</b> <RsmdApprvl>	[0..*]			434
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		434
	<b>TransactionResponse</b> <TxRspn>	[1..1]			434
	<b>Response</b> <Rspn>	[1..1]	CodeSet		435
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		435
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		435
	<b>Environment</b> <Envt>	[1..1]	±		435
	<b>Transaction</b> <Tx>	[1..1]			441
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		441
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		441
	<b>Response</b> <Rspn>	[1..1]	CodeSet		441

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResumedRejection</b> <RsmdRjctn>	[0..*]			442
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		442
	<b>TransactionResponse</b> <TxRspn>	[1..1]			442
	<b>Response</b> <Rspn>	[1..1]	CodeSet		443
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		443
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		443
	<b>Environment</b> <Envt>	[1..1]	±		443
	<b>Transaction</b> <Tx>	[1..1]			449
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		449
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		449
	<b>Response</b> <Rspn>	[1..1]	CodeSet		449

### 13.4.2.1 TransactionTotals <TxTtls>

*Presence:* [0..\*]

*Definition:* Totals of transactions of all the data sets.

**TransactionTotals <TxTtls>** contains the following **TransactionTotals12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		408
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		408
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		409
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	409
	<b>Type</b> <Tp>	[1..1]	CodeSet		409
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		409
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		410

#### 13.4.2.1.1 POIGroupIdentification <POIGrpId>

*Presence:* [0..1]

*Definition:* Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.1.2 CardBrand <CardBrnd>

*Presence:* [0..1]

*Definition:* Brand name of the card.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.1.3 CardProductProfile <CardPdctPrfl>

*Presence:* [0..1]

*Definition:* Category of cards related the acceptance processing rules defined by the acquirer.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.1.4 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction totals.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 13.4.2.1.5 Type <Tp>

*Presence:* [1..1]

*Definition:* Identification of the type of transaction.

*Datatype:* "TypeTransactionTotals2Code" on page 1389

CodeName	Name	Definition
CRDT	Credit	Credit transactions (refund, account, cash service, as defined in the transaction service type).
CRDR	CreditReverse	Reversal of credit transactions (cancellation).
DEBT	Debit	Debit transactions on the cardholder account.
DBTR	DebitReverse	Reversal of debit transactions (cancellation).
DECL	Declined	Declined transactions.
FAIL	Failed	Failed transactions.

#### 13.4.2.1.6 TotalNumber <TtlNb>

*Presence:* [1..1]

*Definition:* Total number of transactions during a reconciliation period.

*Datatype:* "Number" on page 1395

**13.4.2.1.7 CumulativeAmount <CmltvAmt>**

*Presence:* [1..1]

*Definition:* Total amount of a collection of transactions.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**13.4.2.2 DataSet <DataSet>**

*Presence:* [0..\*]

*Definition:* Information related to the previously sent set of transaction.

**DataSet** <DataSet> contains the following **CardPaymentDataSet31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DataSetIdentification</b> <DataSetId>	[1..1]			413
	<b>Name</b> <Nm>	[1..1]	Text		413
	<b>Type</b> <Tp>	[1..1]	CodeSet		413
	<b>Version</b> <Vrsn>	[0..1]	Text		414
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		414
	<b>DataSetResult</b> <DataSetRslt>	[1..1]			414
	<b>Response</b> <Rspn>	[1..1]	CodeSet		414
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		414
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		415
	<b>RemoveDataSet</b> <RmvDataSet>	[1..1]	Indicator		415
	<b>DataSetInitiator</b> <DataSetInitr>	[0..1]	±		415
	<b>TransactionTotals</b> <TxTtls>	[1..*]			415
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		416
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		416
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		416
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	416
	<b>Type</b> <Tp>	[1..1]	CodeSet		416
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		417
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		417
	<b>RejectedTransaction</b> <RjctdTx>	[0..*]			417
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		418
	<b>TransactionResponse</b> <TxRspn>	[1..1]			418
	<b>Response</b> <Rspn>	[1..1]	CodeSet		418
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		419
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		419
	<b>Environment</b> <Envt>	[1..1]	±		419
	<b>Transaction</b> <Tx>	[1..1]			425
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		425
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		425
	<b>Response</b> <Rspn>	[1..1]	CodeSet		425
	<b>SuspendedTransaction</b> <SspdTx>	[0..*]			426

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		426
	<b>TransactionResponse</b> <TxRspn>	[1..1]			426
	<b>Response</b> <Rspn>	[1..1]	CodeSet		427
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		427
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		427
	<b>Environment</b> <Envnt>	[1..1]	±		427
	<b>Transaction</b> <Tx>	[1..1]			433
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		433
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		433
	<b>Response</b> <Rspn>	[1..1]	CodeSet		433
	<b>ResumedApproval</b> <RsmdApprvl>	[0..*]			434
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		434
	<b>TransactionResponse</b> <TxRspn>	[1..1]			434
	<b>Response</b> <Rspn>	[1..1]	CodeSet		435
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		435
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		435
	<b>Environment</b> <Envnt>	[1..1]	±		435
	<b>Transaction</b> <Tx>	[1..1]			441
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		441
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		441
	<b>Response</b> <Rspn>	[1..1]	CodeSet		441
	<b>ResumedRejection</b> <RsmdRjctn>	[0..*]			442
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		442
	<b>TransactionResponse</b> <TxRspn>	[1..1]			442
	<b>Response</b> <Rspn>	[1..1]	CodeSet		443
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		443
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		443
	<b>Environment</b> <Envnt>	[1..1]	±		443
	<b>Transaction</b> <Tx>	[1..1]			449
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		449
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		449



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		449

#### 13.4.2.2.1 DataSetIdentification <DataSetId>

*Presence:* [1..1]

*Definition:* Identification of the data set.

**DataSetIdentification** <DataSetId> contains the following **DataSetIdentification5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		413
	<b>Type</b> <Tp>	[1..1]	CodeSet		413
	<b>Version</b> <Vrsn>	[0..1]	Text		414
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		414

##### 13.4.2.2.1.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name of the data set.

*Datatype:* "Max256Text" on page 1398

##### 13.4.2.2.1.2 Type <Tp>

*Presence:* [1..1]

*Definition:* Category of data set.

*Datatype:* "DataSetCategory8Code" on page 1363

CodeName	Name	Definition
SWPK	SoftwareModule	Software module.
VDPR	VendorParameters	Point of interaction parameters defined by the manufacturer for instance the PIN verification capabilities.
AQPR	AcquirerParameters	Acquirer specific configuration parameters for the point of interaction (POI) system.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).
TXCP	BatchCapture	Batch upload of transaction data (data capture of a group of transactions).
AKCP	CaptureResponse	Batch download response for the batch capture of transactions.
STRP	StatusReport	Report of software configuration and parameter status.
DLGT	DelegationData	Data needed to create a terminal management sub-domain.

CodeName	Name	Definition
MGTP	ManagementPlan	Configuration of management plan in the point of interaction.
RCLE	ReconciliationError	Batch of transaction that have generated an error in the totals of the reconciliation.

**13.4.2.2.1.3 Version <Vrsn>***Presence:* [0..1]*Definition:* Version of the data set.*Datatype:* "Max256Text" on page 1398**13.4.2.2.1.4 CreationDateTime <CreDtTm>***Presence:* [1..1]*Definition:* Date and time of creation of the data set.*Datatype:* "ISODateTime" on page 1392**13.4.2.2.2 DataSetResult <DataSetRsIt>***Presence:* [1..1]*Definition:* Result of the data set capture.**DataSetResult <DataSetRsIt>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		414
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		414
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		415

**13.4.2.2.2.1 Response <Rspn>***Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**13.4.2.2.2.2 ResponseReason <RspnRsn>***Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information on the response for further examination.

*Datatype:* "Max140Text" on page 1397

#### 13.4.2.2.3 RemoveDataSet <RmvDataSet>

*Presence:* [1..1]

*Definition:* Indicates if the data set must be removed from the POI (Point Of Interaction).

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 13.4.2.2.4 DataSetInitiator <DataSetInitr>

*Presence:* [0..1]

*Definition:* Initiator of the data set.

**DataSetInitiator <DataSetInitr>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 13.4.2.2.5 TransactionTotals <TxTtls>

*Presence:* [1..\*]

*Definition:* Transaction totals of the batch.

**TransactionTotals <TxTtls>** contains the following **TransactionTotals12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		416
	<b>CardBrand</b> <CardBrnd>	[0..1]	Text		416
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		416
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	416
	<b>Type</b> <Tp>	[1..1]	CodeSet		416
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		417
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		417

#### 13.4.2.2.5.1 POIGroupIdentification <POIGrpId>

*Presence:* [0..1]

*Definition:* Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.2.5.2 CardBrand <CardBrnd>

*Presence:* [0..1]

*Definition:* Brand name of the card.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.2.5.3 CardProductProfile <CardPdctPrfl>

*Presence:* [0..1]

*Definition:* Category of cards related the acceptance processing rules defined by the acquirer.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.2.5.4 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction totals.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 13.4.2.2.5.5 Type <Tp>

*Presence:* [1..1]

*Definition:* Identification of the type of transaction.

*Datatype:* "TypeTransactionTotals2Code" on page 1389

CodeName	Name	Definition
CRDT	Credit	Credit transactions (refund, account, cash service, as defined in the transaction service type).
CRDR	CreditReverse	Reversal of credit transactions (cancellation).
DEBT	Debit	Debit transactions on the cardholder account.
DBTR	DebitReverse	Reversal of debit transactions (cancellation).
DECL	Declined	Declined transactions.
FAIL	Failed	Failed transactions.

#### 13.4.2.2.5.6 TotalNumber <TtlNb>

*Presence:* [1..1]

*Definition:* Total number of transactions during a reconciliation period.

*Datatype:* "Number" on page 1395

#### 13.4.2.2.5.7 CumulativeAmount <CmltvAmt>

*Presence:* [1..1]

*Definition:* Total amount of a collection of transactions.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 13.4.2.2.6 RejectedTransaction <RjctdTx>

*Presence:* [0..\*]

*Definition:* Transaction in the batch, whose capture has been rejected.

**RejectedTransaction <RjctdTx>** contains the following **CardPaymentDataSet30** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		418
	<b>TransactionResponse</b> <TxRspn>	[1..1]			418
	<b>Response</b> <Rspn>	[1..1]	CodeSet		418
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		419
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		419
	<b>Environment</b> <Envt>	[1..1]	±		419
	<b>Transaction</b> <Tx>	[1..1]			425
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		425
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		425
	<b>Response</b> <Rspn>	[1..1]	CodeSet		425

#### 13.4.2.2.6.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Sequential counter of the transaction.

*Datatype:* "Max9NumericText" on page 1401

#### 13.4.2.2.6.2 TransactionResponse <TxRspn>

*Presence:* [1..1]

*Definition:* Response to the capture of the transaction.

**TransactionResponse <TxRspn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		418
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		419
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		419

#### 13.4.2.2.6.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the transaction.

*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.

CodeName	Name	Definition
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**13.4.2.2.6.2.2 ResponseReason <RspnRsn>**

*Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

**13.4.2.2.6.2.3 AdditionalResponseInformation <AddtlRspnInf>**

*Presence:* [0..1]

*Definition:* Additional information on the response for further examination.

*Datatype:* "Max140Text" on page 1397

**13.4.2.2.6.3 Environment <Envt>**

*Presence:* [1..1]

*Definition:* Data related to the environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 13.4.2.2.6.4 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Transaction that has been rejected.

**Transaction <Tx>** contains the following **CardPaymentTransactionAdviceResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		425
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		425
	<b>Response</b> <Rspn>	[1..1]	CodeSet		425

##### 13.4.2.2.6.4.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

##### 13.4.2.2.6.4.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

##### 13.4.2.2.6.4.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of a requested service.

*Datatype:* "Response1Code" on page 1382

CodeName	Name	Definition
DECL	Declined	Service is declined.
APPR	Approved	Service has been successfully provided.
PART	PartialApproved	Service has been partially provided.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 13.4.2.2.7 SuspendedTransaction <SspdTx>

*Presence:* [0..\*]

*Definition:* Transaction in the batch, whose capture has been suspended.

**SuspendedTransaction <SspdTx>** contains the following **CardPaymentDataSet30** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		426
	<b>TransactionResponse</b> <TxRspn>	[1..1]			426
	<b>Response</b> <Rspn>	[1..1]	CodeSet		427
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		427
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		427
	<b>Environment</b> <Envnt>	[1..1]	±		427
	<b>Transaction</b> <Tx>	[1..1]			433
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		433
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		433
	<b>Response</b> <Rspn>	[1..1]	CodeSet		433

##### 13.4.2.2.7.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Sequential counter of the transaction.

*Datatype:* "Max9NumericText" on page 1401

##### 13.4.2.2.7.2 TransactionResponse <TxRspn>

*Presence:* [1..1]

*Definition:* Response to the capture of the transaction.

**TransactionResponse <TxRspn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		427
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		427
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		427

#### 13.4.2.2.7.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the transaction.

*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 13.4.2.2.7.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.2.7.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information on the response for further examination.

*Datatype:* "Max140Text" on page 1397

#### 13.4.2.2.7.3 Environment <Envnt>

*Presence:* [1..1]

*Definition:* Data related to the environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BllgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 13.4.2.2.7.4 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Transaction that has been rejected.

**Transaction <Tx>** contains the following **CardPaymentTransactionAdviceResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		433
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		433
	<b>Response</b> <Rspn>	[1..1]	CodeSet		433

##### 13.4.2.2.7.4.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

##### 13.4.2.2.7.4.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

##### 13.4.2.2.7.4.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of a requested service.

*Datatype:* "Response1Code" on page 1382

CodeName	Name	Definition
DECL	Declined	Service is declined.
APPR	Approved	Service has been successfully provided.
PART	PartialApproved	Service has been partially provided.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 13.4.2.2.8 ResumedApproval <RsmdApprvl>

*Presence:* [0..\*]

*Definition:* Transaction in the batch, whose capture has been approved after suspension.

**ResumedApproval <RsmdApprvl>** contains the following **CardPaymentDataSet30** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		434
	<b>TransactionResponse</b> <TxRspn>	[1..1]			434
	<b>Response</b> <Rspn>	[1..1]	CodeSet		435
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		435
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		435
	<b>Environment</b> <Envnt>	[1..1]	±		435
	<b>Transaction</b> <Tx>	[1..1]			441
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		441
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		441
	<b>Response</b> <Rspn>	[1..1]	CodeSet		441

##### 13.4.2.2.8.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Sequential counter of the transaction.

*Datatype:* "Max9NumericText" on page 1401

##### 13.4.2.2.8.2 TransactionResponse <TxRspn>

*Presence:* [1..1]

*Definition:* Response to the capture of the transaction.

**TransactionResponse <TxRspn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		435
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		435
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		435

#### 13.4.2.2.8.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the transaction.

*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 13.4.2.2.8.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.2.8.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information on the response for further examination.

*Datatype:* "Max140Text" on page 1397

#### 13.4.2.2.8.3 Environment <Envnt>

*Presence:* [1..1]

*Definition:* Data related to the environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 13.4.2.2.8.4 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Transaction that has been rejected.

**Transaction <Tx>** contains the following **CardPaymentTransactionAdviceResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		441
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		441
	<b>Response</b> <Rspn>	[1..1]	CodeSet		441

##### 13.4.2.2.8.4.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

##### 13.4.2.2.8.4.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

##### 13.4.2.2.8.4.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of a requested service.

*Datatype:* "Response1Code" on page 1382

CodeName	Name	Definition
DECL	Declined	Service is declined.
APPR	Approved	Service has been successfully provided.
PART	PartialApproved	Service has been partially provided.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 13.4.2.2.9 ResumedRejection <RsmdRjctn>

*Presence:* [0..\*]

*Definition:* Transaction in the batch, whose capture has been rejected after suspension.

**ResumedRejection <RsmdRjctn>** contains the following **CardPaymentDataSet30** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionSequenceCounter</b> <TxSeqCntr>	[1..1]	Text		442
	<b>TransactionResponse</b> <TxRspn>	[1..1]			442
	<b>Response</b> <Rspn>	[1..1]	CodeSet		443
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		443
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		443
	<b>Environment</b> <Envt>	[1..1]	±		443
	<b>Transaction</b> <Tx>	[1..1]			449
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		449
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		449
	<b>Response</b> <Rspn>	[1..1]	CodeSet		449

##### 13.4.2.2.9.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Sequential counter of the transaction.

*Datatype:* "Max9NumericText" on page 1401

##### 13.4.2.2.9.2 TransactionResponse <TxRspn>

*Presence:* [1..1]

*Definition:* Response to the capture of the transaction.

**TransactionResponse <TxRspn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		443
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		443
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		443

#### 13.4.2.2.9.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the transaction.

*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 13.4.2.2.9.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

#### 13.4.2.2.9.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information on the response for further examination.

*Datatype:* "Max140Text" on page 1397

#### 13.4.2.2.9.3 Environment <Envnt>

*Presence:* [1..1]

*Definition:* Data related to the environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 13.4.2.2.9.4 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Transaction that has been rejected.

**Transaction <Tx>** contains the following **CardPaymentTransactionAdviceResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		449
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		449
	<b>Response</b> <Rspn>	[1..1]	CodeSet		449

##### 13.4.2.2.9.4.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

##### 13.4.2.2.9.4.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

##### 13.4.2.2.9.4.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of a requested service.

*Datatype:* "Response1Code" on page 1382

CodeName	Name	Definition
DECL	Declined	Service is declined.
APPR	Approved	Service has been successfully provided.
PART	PartialApproved	Service has been partially provided.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

### 13.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC or a digital signature.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# 14 caaa.013.001.10 AcceptorDiagnosticRequestV10

## 14.1 MessageDefinition Functionality

The AcceptorDiagnosticRequest message is sent by an acceptor (or its agent) to the acquirer (or its agent), to check the end-to-end communication, to test the availability of this acquirer, or to validate the security environment.

### Outline

The AcceptorDiagnosticRequestV10 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Diagnostic request message management information.
- B. DiagnosticRequest  
Information related to the diagnostic request.
- 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> <AccptrDgnstcReq>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			452
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		452
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		454
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		454
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		454
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		454
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		454
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		455
	<b>Traceability</b> <Tracblt>	[0..*]	±		455
	<b>DiagnosticRequest</b> <DgnstcReq>	[1..1]			456
	<b>Environment</b> <Envt>	[1..1]	±		456
	<b>AcquirerAvailabilityRequested</b> <AcqrrAvlbtYReqd>	[0..1]	Indicator		462
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		462

## 14.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C3 ValidationByTable

Must be a valid terrestrial language.

## 14.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 14.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Diagnostic request message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		452
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		454
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		454
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		454
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		454
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		454
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		455
	<b>Traceability</b> <Tracblt>	[0..*]	±		455

#### 14.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.



CodeName	Name	Definition
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.

CodeName	Name	Definition
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 14.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 14.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 14.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 14.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 14.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 14.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

#### 14.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 14.4.2 DiagnosticRequest <DgnstcReq>

*Presence:* [1..1]

*Definition:* Information related to the diagnostic request.

**DiagnosticRequest <DgnstcReq>** contains the following **AcceptorDiagnosticRequest10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		456
	<b>AcquirerAvailabilityRequested</b> <AcqrrAvlbttyReqd>	[0..1]	Indicator		462

### 14.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LtyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <Crdhldrld>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <Drvrld>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 14.4.2.2 AcquirerAvailabilityRequested <AcqrrAvlbttyReqd>

*Presence:* [0..1]

*Definition:* Indicates if the availability of the acquirer must be tested.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 14.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# 15      **caaa.014.001.09**

## **AcceptorDiagnosticResponseV09**

### 15.1    **MessageDefinition Functionality**

The AcceptorDiagnosticResponse message is sent by the acquirer (or its agent) to provide to the acceptor the result of the diagnostic request.

#### Outline

The AcceptorDiagnosticResponseV09 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Diagnostic response message management information.
- B. DiagnosticResponse  
Information related to the diagnostic response.
- 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> <AccptrDgnstcRspn>	[1..1]			
	Header <Hdr>	[1..1]			465
	MessageFunction <MsgFctn>	[1..1]	CodeSet		465
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		467
	ExchangeIdentification <XchgId>	[1..1]	Quantity		467
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		467
	CreationDateTime <CreDtTm>	[1..1]	DateTime		467
	InitiatingParty <InitgPty>	[1..1]	±		467
	RecipientParty <RcptPty>	[0..1]	±		467
	Traceability <Tracblt>	[0..*]	±		468
	DiagnosticResponse <DgnstcRspn>	[1..1]			468
	Environment <Envt>	[1..1]	±		469
	TMSTrigger <TMSTrggr>	[0..1]			475
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		475
	TMSIdentification <TMSId>	[0..1]	Text		475
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		476
	AcquirerAvailable <AcqrrAvlbl>	[0..1]	Indicator		476
	SecurityTrailer <SctyTrlr>	[0..1]	±		476

## 15.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C3 ValidationByTable

Must be a valid terrestrial language.

## 15.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 15.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Diagnostic response message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		465
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		467
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		467
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		467
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		467
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		467
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		467
	<b>Traceability</b> <Tracblt>	[0..*]	±		468

#### 15.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.

CodeName	Name	Definition
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

**15.4.1.2 ProtocolVersion <PrtcolVrsn>***Presence:* [1..1]*Definition:* Version of the acquirer protocol specifications.*Datatype:* "Max6Text" on page 1400**15.4.1.3 Exchangelidentification <Xchgld>***Presence:* [1..1]*Definition:* Unique identification of an exchange occurrence.*Datatype:* "Number" on page 1395**15.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>***Presence:* [0..1]*Definition:* Number of retransmissions of the message.*Datatype:* "Max3NumericText" on page 1399**15.4.1.5 CreationDateTime <CreDtTm>***Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODateTime" on page 1392**15.4.1.6 InitiatingParty <InitgPty>***Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

**15.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

#### 15.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

### 15.4.2 DiagnosticResponse <DgnstcRspn>

*Presence:* [1..1]

*Definition:* Information related to the diagnostic response.



**DiagnosticResponse <DgnstcRspn>** contains the following **AcceptorDiagnosticResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		469
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			475
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		475
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		475
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		476
	<b>AcquirerAvailable</b> <AcqrrAvlbl>	[0..1]	Indicator		476

#### 15.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 15.4.2.2 TMSTrigger <TMSTrggr>

*Presence:* [0..1]

*Definition:* Instructions for contacting the terminal management host.

**TMSTrigger <TMSTrggr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		475
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		475
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		476

##### 15.4.2.2.1 TMSContactLevel <TMSCtctLvl>

*Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

##### 15.4.2.2.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

**15.4.2.2.3 TMSContactDateTime <TMSCtctDtTm>***Presence:* [0..1]*Definition:* Date and time for calling the maintenance.*Datatype:* "ISODateTime" on page 1392**15.4.2.3 AcquirerAvailable <AcqrrAvlbl>***Presence:* [0..1]*Definition:* Indicates if the acquirer is available.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**15.4.3 SecurityTrailer <SctyTrlr>***Presence:* [0..1]*Definition:* Trailer of the message containing a MAC.**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302



# 16 caaa.015.001.06 AcceptorRejectionV06

## 16.1 MessageDefinition Functionality

The AcceptorRejection message is sent by the acquirer (or its agent) to reject a message request or advice sent by an acceptor (or its agent), to indicate that the received message could not be processed.

Outline

The AcceptorRejectionV06 MessageDefinition is composed of 2 MessageBuildingBlocks:

- A. Header  
Rejection message management information.
- B. Reject  
Information related to the reject.

## 16.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<i>Message root</i> <Document> <AccptrRjctn>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			478
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		478
	<b>ProtocolVersion</b> <PrctlVrsn>	[1..1]	Text		478
	<b>ExchangeIdentification</b> <XchgId>	[0..1]	Quantity		478
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		478
	<b>InitiatingParty</b> <InitgPty>	[0..1]	±		479
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		479
	<b>Traceability</b> <Tracblt>	[0..*]	±		480
	<b>Reject</b> <Rjct>	[1..1]			480
	<b>RejectReason</b> <RjctRsn>	[1..1]	CodeSet		480
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		481
	<b>MessageInError</b> <MsgInErr>	[0..1]	Binary		481

## 16.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

## 16.3.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Rejection message management information.

**Header <Hdr>** contains the following **Header57** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		478
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		478
	<b>ExchangeIdentification</b> <Xchgld>	[0..1]	Quantity		478
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		478
	<b>InitiatingParty</b> <InitgPty>	[0..1]	±		479
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		479
	<b>Traceability</b> <Tracblt>	[0..*]	±		480

### 16.3.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction9Code" on page 1372

CodeName	Name	Definition
RJCQ	AcceptorRequestReject	Reject of a request or an advice message by an acquirer or an agent.
RJCP	AcceptorResponseReject	Reject of a response or an advice response message by a card acceptor or an agent.

### 16.3.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

### 16.3.1.3 ExchangeIdentification <Xchgld>

*Presence:* [0..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

### 16.3.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

### 16.3.1.5 InitiatingParty <InitgPty>

*Presence:* [0..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

### 16.3.1.6 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

### 16.3.1.7 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 16.3.2 Reject <Rjct>

*Presence:* [1..1]

*Definition:* Information related to the reject.

**Reject <Rjct>** contains the following **AcceptorRejection2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RejectReason</b> <RjctRsn>	[1..1]	CodeSet		480
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		481
	<b>MessageInError</b> <MsgInErr>	[0..1]	Binary		481

### 16.3.2.1 RejectReason <RjctRsn>

*Presence:* [1..1]

*Definition:* Reject reason of the request or the advice.

*Datatype:* "RejectReason1Code" on page 1381

CodeName	Name	Definition
UNPR	UnableToProcess	Not possible to process the message, for instance the security module is unavailable, the hardware is unavailable, or there is a problem of resource.
IMSG	InvalidMessage	Invalid envelope of the message.
PARS	ParsingError	Invalid message: At least one of the data element or data structure is not present, the format, or the content of one data element or one data structure is not correct.
SECU	Security	Security error (for example an invalid key or an incorrect MAC value).

CodeName	Name	Definition
INTP	InitiatingParty	Invalid identification data for the sender.
RCPD	RecipientParty	Invalid identification data for the the receiver.
DPMG	DuplicateMessage	Duplicate message, the identification of the exchange is the same than a previous message.
VERS	ProtocolVersion	Version of the protocol couldn't be supported by the recipient.
MSGT	MessageType	Type of message the recipient receives is unknow or unsupported.

### 16.3.2.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information related to the reject of the exchange.

*Datatype:* "Max500Text" on page 1400

### 16.3.2.3 MessageInError <MsgInErr>

*Presence:* [0..1]

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

*Datatype:* "Max100KBinary" on page 1338

# 17 caaa.016.001.09 AcceptorCurrencyConversionRequestV09

## 17.1 MessageDefinition Functionality

The AcceptorCurrencyConversionRequest message is sent by the card acceptor to the currency conversion service provider to request if the cardholder is able to pay in the currency of its card.

### Outline

The AcceptorCurrencyConversionRequestV09 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Currency Conversion request message management information.
- B. CurrencyConversionRequest  
Information related to the currency conversion request.
- 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> <AccptrCcyConvsReq>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			483
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		483
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		485
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		485
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		485
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		485
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		485
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		486
	<b>Traceability</b> <Tracblt>	[0..*]	±		486
	<b>CurrencyConversionRequest</b> <CcyConvsReq>	[1..1]			487
	<b>Environment</b> <Envnt>	[1..1]	±		487
	<b>Transaction</b> <Tx>	[1..1]	±		493
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		497

## 17.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C3 ValidationByTable

Must be a valid terrestrial language.

### C4 ValidationByTable

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

## 17.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 17.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Currency Conversion request message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		483
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		485
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		485
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		485
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		485
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		485
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		486
	<b>Traceability</b> <Tracblt>	[0..*]	±		486

#### 17.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.



CodeName	Name	Definition
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 17.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 17.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 17.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 17.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 17.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 17.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

#### 17.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 17.4.2 CurrencyConversionRequest <CcyConvsReq>

*Presence:* [1..1]

*Definition:* Information related to the currency conversion request.

**CurrencyConversionRequest <CcyConvsReq>** contains the following **AcceptorCurrencyConversionRequest9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		487
	<b>Transaction</b> <Tx>	[1..1]	±		493

### 17.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "CardPaymentEnvironment78" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmNrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

### 17.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Card payment transaction for which the currency conversion is requested.

**Transaction <Tx>** contains the following elements (see "CardPaymentTransaction120" on page 1049 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		1053
	TransactionType <TxTp>	[1..1]	CodeSet		1054
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1054
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1055
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		1055
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		1056
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1056
	TransactionIdentification <TxId>	[1..1]	±		1056
	OriginalTransaction <OrgnlTx>	[0..1]			1056
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1058
	TransactionIdentification <TxId>	[1..1]	±		1058
	POIdentification <POId>	[1..1]	±		1058
	CurrencyConversion <CcyConvs>	[0..1]			1058
	Result <Rslt>	[1..1]	CodeSet		1060
	ResultReason <RsltRsn>	[0..1]	Text		1060
	ConversionDetails <ConvsDtls>	[0..*]			1060
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1061
	TargetCurrency <TrgtCcy>	[1..1]			1062
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1062
	NumericCode <NmrcCd>	[1..1]	Text		1062
	Decimal <Dcml>	[1..1]	Quantity		1062
	Name <Nm>	[0..1]	Text		1062
	ResultingAmount <RsltAmt>	[1..1]	Amount		1062
	ExchangeRate <XchgRate>	[1..1]	Rate		1063
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1063
	QuotationDate <QtnDt>	[0..1]	DateTime		1063
	ValidUntil <VldUntil>	[0..1]	DateTime		1063
	SourceCurrency <SrcCcy>	[1..1]			1063
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1063
	NumericCode <NmrcCd>	[0..1]	Text		1064

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		1064
	Name <Nm>	[0..1]	Text		1064
	OriginalAmount <OrgnlAmt>	[1..1]			1064
	ActualAmount <ActlAmt>	[0..1]	Amount		1064
	MinimumAmount <MinAmt>	[0..1]	Amount		1064
	MaximumAmount <MaxAmt>	[0..1]	Amount		1065
	CommissionDetails <ComssnDtls>	[0..*]			1065
	Amount <Amt>	[1..1]	Amount		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	MarkUpDetails <MrkUpDtls>	[0..*]			1065
	Rate <Rate>	[1..1]	Rate		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	DeclarationDetails <DclrtnDtls>	[0..*]	±		1066
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1066
	IssuerReferenceData <IssrRefData>	[0..1]	Text		1066
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		1066
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		1067
	TransactionDetails <TxDtls>	[1..1]			1067
	Currency <Ccy>	[0..1]	CodeSet	C1	1069
	TotalAmount <TtlAmt>	[1..1]	Amount		1070
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		1070
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1070
	DetailedAmount <DtldAmt>	[0..1]	±		1070
	RequestedAmount <ReqdAmt>	[0..1]	Amount		1071
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		1071
	InvoiceAmount <InvcAmt>	[0..1]	Amount		1071
	ValidityDate <VldtyDt>	[0..1]	Date		1071
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		1071
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		1072
	AccountType <AcctTp>	[0..1]	CodeSet		1072
	CurrencyConversionResult <CcyConvRslt>	[0..1]			1073

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1075
	Conversion <Convs>	[0..1]			1075
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		1076
	TargetCurrency <TrgtCcy>	[1..1]			1077
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1077
	NumericCode <NmrcCd>	[1..1]	Text		1077
	Decimal <Dcml>	[1..1]	Quantity		1077
	Name <Nm>	[0..1]	Text		1077
	ResultingAmount <RsltAmt>	[1..1]	Amount		1077
	ExchangeRate <XchgRate>	[1..1]	Rate		1078
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1078
	QuotationDate <QtnDt>	[0..1]	DateTime		1078
	ValidUntil <VldUntil>	[0..1]	DateTime		1078
	SourceCurrency <SrcCcy>	[1..1]			1078
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1078
	NumericCode <NmrcCd>	[0..1]	Text		1079
	Decimal <Dcml>	[0..1]	Quantity		1079
	Name <Nm>	[0..1]	Text		1079
	OriginalAmount <OrgnlAmt>	[1..1]			1079
	ActualAmount <ActlAmt>	[0..1]	Amount		1079
	MinimumAmount <MinAmt>	[0..1]	Amount		1079
	MaximumAmount <MaxAmt>	[0..1]	Amount		1080
	CommissionDetails <ComssnDtls>	[0..*]			1080
	Amount <Amt>	[1..1]	Amount		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	MarkUpDetails <MrkUpDtls>	[0..*]			1080
	Rate <Rate>	[1..1]	Rate		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	DeclarationDetails <Dclrtndtls>	[0..*]	±		1081
	Instalment <Instlmt>	[0..*]	±		1081
	AggregationTransaction <AggtnTx>	[0..1]	±		1082

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		1083
	SaleItem <SaleItm>	[0..*]	±		1083
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1084
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		1084
	AdditionalInformation <AddtlInf>	[0..*]			1084
	Identification <Id>	[1..1]	Text		1085
	Value <Val>	[0..1]	Binary		1085
	ProtectedValue <PrtctdVal>	[0..1]	±		1085
	Type <Tp>	[0..1]	Text		1085
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1085
	AuthorisationResult <AuthstnRslt>	[0..1]			1086
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1086
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1086
	Response <Rspn>	[1..1]	CodeSet		1087
	ResponseReason <RspnRsn>	[0..1]	Text		1087
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1087
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1087
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		1087
	CustomerOrder <CstmrOrd>	[0..1]	±		1087
	CustomerToken <CstmrTkn>	[0..1]	±		1088
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1089
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		1089
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		1089
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		1089
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		1089
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		1089
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		1089

### 17.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# 18      caaa.017.001.09

## AcceptorCurrencyConversionResponseV09

### 18.1    MessageDefinition Functionality

The AcceptorCurrencyConversionResponse message is sent by currency conversion service provider to the card acceptor to return the result of a potential currency conversion for the cardholder.

#### Outline

The AcceptorCurrencyConversionResponseV09 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
  - Currency conversion response message management information.
- B. CurrencyConversionResponse
  - Information related to the outcome of the currency conversion.
- C. SecurityTrailer
  - Trailer of the message containing a MAC (message authentication code).

## 18.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrCcyConvsRspn>	[1..1]			
	Header <Hdr>	[1..1]			504
	MessageFunction <MsgFctn>	[1..1]	CodeSet		504
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		505
	ExchangeIdentification <XchgId>	[1..1]	Quantity		506
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		506
	CreationDateTime <CreDtTm>	[1..1]	DateTime		506
	InitiatingParty <InitgPty>	[1..1]	±		506
	RecipientParty <RcptPty>	[0..1]	±		506
	Traceability <Tracblt>	[0..*]	±		507
	CurrencyConversionResponse <CcyConvsRspn>	[1..1]			507
	Environment <Envt>	[1..1]	±		511
	Transaction <Tx>	[1..1]			517
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		520
	TransactionIdentification <TxId>	[1..1]	±		520
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		520
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		520
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		520
	InterchangeData <IntrchgData>	[0..1]	Text		520
	TransactionDetails <TxDtls>	[1..1]			520
	Currency <Ccy>	[0..1]	CodeSet	C1	522
	TotalAmount <TtlAmt>	[1..1]	Amount		523
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		523
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		523
	DetailedAmount <DtldAmt>	[0..1]	±		523
	RequestedAmount <ReqdAmt>	[0..1]	Amount		524
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		524
	InvoiceAmount <InvcAmt>	[0..1]	Amount		524
	ValidityDate <VldtyDt>	[0..1]	Date		524
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		524



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>UnattendedLevelCategory</b> <UatnnddLvlCtgy>	[0..1]	Text		525
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		525
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			526
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		528
	<b>Conversion</b> <Convs>	[0..1]			528
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		529
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			530
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	530
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		530
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		530
	<b>Name</b> <Nm>	[0..1]	Text		530
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		530
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		531
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		531
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		531
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		531
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			531
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	531
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		532
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		532
	<b>Name</b> <Nm>	[0..1]	Text		532
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			532
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		532
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		532
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		533
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			533
	<b>Amount</b> <Amt>	[1..1]	Amount		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			533
	<b>Rate</b> <Rate>	[1..1]	Rate		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		534
	<b>Instalment</b> <Instlmt>	[0..*]	±		534
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		535
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		536
	<b>SaleItem</b> <SaleItm>	[0..*]	±		536
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		537
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		537
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			537
	<b>Identification</b> <Id>	[1..1]	Text		538
	<b>Value</b> <Val>	[0..1]	Binary		538
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		538
	<b>Type</b> <Tp>	[0..1]	Text		538
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		538
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		539
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[1..1]			539
	<b>Result</b> <Rslt>	[1..1]	CodeSet		541
	<b>ResultReason</b> <RsltRsn>	[0..1]	Text		541
	<b>ConversionDetails</b> <ConvsDtls>	[0..*]			541
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		542
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			543
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	543
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		543
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		543
	<b>Name</b> <Nm>	[0..1]	Text		543
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		543
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		544
	<b>InvertedExchangeRate</b> <NvrtedXchgRate>	[0..1]	Rate		544
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		544
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		544
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			544
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	544

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		545
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		545
	<b>Name</b> <Nm>	[0..1]	Text		545
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			545
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		545
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		545
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		546
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			546
	<b>Amount</b> <Amt>	[1..1]	Amount		546
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		546
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			546
	<b>Rate</b> <Rate>	[1..1]	Rate		546
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		546
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		547
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		547

## 18.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C3 ValidationByTable

Must be a valid terrestrial language.

### C4 ValidationByTable

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

## 18.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

## 18.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Currency conversion response message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		504
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		505
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		506
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		506
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		506
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		506
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		506
	<b>Traceability</b> <Tracblt>	[0..*]	±		507

### 18.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.

CodeName	Name	Definition
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 18.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

**18.4.1.3 ExchangeIdentification <XchgId>***Presence:* [1..1]*Definition:* Unique identification of an exchange occurrence.*Datatype:* "Number" on page 1395**18.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>***Presence:* [0..1]*Definition:* Number of retransmissions of the message.*Datatype:* "Max3NumericText" on page 1399**18.4.1.5 CreationDateTime <CreDtTm>***Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODateTime" on page 1392**18.4.1.6 InitiatingParty <InitgPty>***Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

**18.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 18.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

### 18.4.2 CurrencyConversionResponse <CcyConvsRspn>

*Presence:* [1..1]

*Definition:* Information related to the outcome of the currency conversion.

**CurrencyConversionResponse <CcyConvsRspn>** contains the following  
**AcceptorCurrencyConversionResponse9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		511
	<b>Transaction</b> <Tx>	[1..1]			517
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		520
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		520
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		520
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		520
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		520
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		520
	<b>TransactionDetails</b> <TxDtls>	[1..1]			520
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	522
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		523
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		523
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		523
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		523
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		524
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		524
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		524
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		524
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		524
	<b>UnattendedLevelCategory</b> <UattnddLvCtgy>	[0..1]	Text		525
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		525
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			526
	<b>AcceptedByCardholder</b> <AcptdByCrdhlr>	[0..1]	Indicator		528
	<b>Conversion</b> <Convs>	[0..1]			528
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		529
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			530
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	530
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		530
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		530
	<b>Name</b> <Nm>	[0..1]	Text		530



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		530
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		531
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		531
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		531
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		531
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			531
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	531
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		532
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		532
	<b>Name</b> <Nm>	[0..1]	Text		532
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			532
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		532
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		532
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		533
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			533
	<b>Amount</b> <Amt>	[1..1]	Amount		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			533
	<b>Rate</b> <Rate>	[1..1]	Rate		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		534
	<b>Instalment</b> <Instlmt>	[0..*]	±		534
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		535
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		536
	<b>SaleItem</b> <Saleitm>	[0..*]	±		536
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		537
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		537
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			537
	<b>Identification</b> <Id>	[1..1]	Text		538
	<b>Value</b> <Val>	[0..1]	Binary		538
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		538

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Type</b> <Tp>	[0..1]	Text		538
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		538
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		539
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[1..1]			539
	<b>Result</b> <Rslt>	[1..1]	CodeSet		541
	<b>ResultReason</b> <RsltRsn>	[0..1]	Text		541
	<b>ConversionDetails</b> <ConvsDtls>	[0..*]			541
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		542
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			543
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	543
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		543
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		543
	<b>Name</b> <Nm>	[0..1]	Text		543
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		543
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		544
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		544
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		544
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		544
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			544
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	544
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		545
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		545
	<b>Name</b> <Nm>	[0..1]	Text		545
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			545
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		545
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		545
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		546
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			546
	<b>Amount</b> <Amt>	[1..1]	Amount		546
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		546
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			546

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate</b> <Rate>	[1..1]	Rate		546
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		546
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		547

#### 18.4.2.1 Environment <Env>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LtyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScfSctyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

### 18.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Currency conversion of a card payment transaction between an acceptor and an acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransaction121** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		520
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		520
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		520
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		520
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		520
	<b>InterchangeData</b> <IntrchgData>	[0..1]	Text		520
	<b>TransactionDetails</b> <TxDtls>	[1..1]			520
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	522
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		523
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		523
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		523
	<b>DetailedAmount</b> <DtlAmt>	[0..1]	±		523
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		524
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		524
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		524
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		524
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		524
	<b>UnattendedLevelCategory</b> <UatnndLvlCtgy>	[0..1]	Text		525
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		525
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			526
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		528
	<b>Conversion</b> <Convs>	[0..1]			528
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		529
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			530
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	530
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		530
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		530
	<b>Name</b> <Nm>	[0..1]	Text		530
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		530
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		531
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		531

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		531
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		531
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			531
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	531
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		532
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		532
	<b>Name</b> <Nm>	[0..1]	Text		532
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			532
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		532
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		532
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		533
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			533
	<b>Amount</b> <Amt>	[1..1]	Amount		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			533
	<b>Rate</b> <Rate>	[1..1]	Rate		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		534
	<b>Instalment</b> <Instlmt>	[0..*]	±		534
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		535
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		536
	<b>SaleItem</b> <Saleitm>	[0..*]	±		536
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		537
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		537
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			537
	<b>Identification</b> <Id>	[1..1]	Text		538
	<b>Value</b> <Val>	[0..1]	Binary		538
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		538
	<b>Type</b> <Tp>	[0..1]	Text		538
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		538
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		539

**18.4.2.2.1 SaleReferenceIdentification <SaleRefId>***Presence:* [0..1]*Definition:* Global reference of the sale transaction for the sale system.*Datatype:* "Max35Text" on page 1399**18.4.2.2.2 TransactionIdentification <TxId>***Presence:* [1..1]*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).**TransactionIdentification <TxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**18.4.2.2.3 InitiatorTransactionIdentification <InitrTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.*Datatype:* "Max35Text" on page 1399**18.4.2.2.4 RecipientTransactionIdentification <RcptTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.*Datatype:* "Max140Text" on page 1397**18.4.2.2.5 ReconciliationIdentification <RcncltnId>***Presence:* [0..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.*Datatype:* "Max35Text" on page 1399**18.4.2.2.6 InterchangeData <IntrchgData>***Presence:* [0..1]*Definition:* Interchange information related to the card scheme.*Datatype:* "Max140Text" on page 1397**18.4.2.2.7 TransactionDetails <TxDtIs>***Presence:* [1..1]*Definition:* Detail of the transaction transported.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	522
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		523
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		523
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		523
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		523
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		524
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		524
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		524
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		524
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		524
	<b>UnattendedLevelCategory</b> <UattnddLvltCtgy>	[0..1]	Text		525
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		525
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			526
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		528
	<b>Conversion</b> <Convs>	[0..1]			528
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		529
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			530
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	530
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		530
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		530
	<b>Name</b> <Nm>	[0..1]	Text		530
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		530
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		531
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		531
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		531
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		531
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			531
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	531
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		532
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		532
	<b>Name</b> <Nm>	[0..1]	Text		532

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			532
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		532
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		532
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		533
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			533
	<b>Amount</b> <Amt>	[1..1]	Amount		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			533
	<b>Rate</b> <Rate>	[1..1]	Rate		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		534
	<b>Instalment</b> <Instlmt>	[0..*]	±		534
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		535
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		536
	<b>SaleItem</b> <Saleitm>	[0..*]	±		536
	<b>DeliveryLocation</b> <DivryLctn>	[0..1]	Text		537
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		537
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			537
	<b>Identification</b> <Id>	[1..1]	Text		538
	<b>Value</b> <Val>	[0..1]	Binary		538
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		538
	<b>Type</b> <Tp>	[0..1]	Text		538
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		538

#### 18.4.2.2.7.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 18.4.2.2.7.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 18.4.2.2.7.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 18.4.2.2.7.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 18.4.2.2.7.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 18.4.2.2.7.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 18.4.2.2.7.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 18.4.2.2.7.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 18.4.2.2.7.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 18.4.2.2.7.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.



CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

**18.4.2.2.7.11 UnattendedLevelCategory <UattnddLvlCtgy>***Presence:* [0..1]*Definition:* Transaction category level on an unattended POI (Point Of Interaction).*Datatype:* "Max35NumericText" on page 1399**18.4.2.2.7.12 AccountType <AcctTp>***Presence:* [0..1]*Definition:* Type of cardholder account used for the transaction.*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.

CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

**18.4.2.2.7.13 CurrencyConversionResult <CcyConvsRslt>***Presence:* [0..1]*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		528
	<b>Conversion</b> <Convs>	[0..1]			528
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		529
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			530
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	530
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		530
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		530
	<b>Name</b> <Nm>	[0..1]	Text		530
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		530
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		531
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		531
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		531
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		531
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			531
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	531
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		532
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		532
	<b>Name</b> <Nm>	[0..1]	Text		532
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			532
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		532
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		532
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		533
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			533
	<b>Amount</b> <Amt>	[1..1]	Amount		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			533
	<b>Rate</b> <Rate>	[1..1]	Rate		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		534

**18.4.2.2.7.13.1 AcceptedByCardholder <AccptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**18.4.2.2.7.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		529
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			530
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	530
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		530
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		530
	<b>Name</b> <Nm>	[0..1]	Text		530
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		530
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		531
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		531
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		531
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		531
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			531
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	531
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		532
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		532
	<b>Name</b> <Nm>	[0..1]	Text		532
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			532
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		532
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		532
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		533
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			533
	<b>Amount</b> <Amt>	[1..1]	Amount		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			533
	<b>Rate</b> <Rate>	[1..1]	Rate		533
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		533
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		534

#### 18.4.2.2.7.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**18.4.2.2.7.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	530
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		530
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		530
	<b>Name</b> <Nm>	[0..1]	Text		530

**18.4.2.2.7.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**18.4.2.2.7.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**18.4.2.2.7.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**18.4.2.2.7.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**18.4.2.2.7.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 18.4.2.2.7.13.2.4 ExchangeRate <XchgRate>

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### 18.4.2.2.7.13.2.5 InvertedExchangeRate <NvrtdXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### 18.4.2.2.7.13.2.6 QuotationDate <QtnDt>

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### 18.4.2.2.7.13.2.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### 18.4.2.2.7.13.2.8 SourceCurrency <SrcCcy>

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	531
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		532
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		532
	<b>Name</b> <Nm>	[0..1]	Text		532

##### 18.4.2.2.7.13.2.8.1 AlphaCode <AlphaCd>

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**18.4.2.2.7.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**18.4.2.2.7.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**18.4.2.2.7.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**18.4.2.2.7.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		532
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		532
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		533

**18.4.2.2.7.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**18.4.2.2.7.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337



**18.4.2.2.7.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**18.4.2.2.7.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		533
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		533

**18.4.2.2.7.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**18.4.2.2.7.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**18.4.2.2.7.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate &lt;Rate&gt;</b>	[1..1]	Rate		533
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		533

**18.4.2.2.7.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**18.4.2.2.7.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1398

#### 18.4.2.2.7.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 18.4.2.2.7.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 18.4.2.2.7.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "AggregationTransaction3" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 18.4.2.2.7.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "Max10Text" on page 1396

#### 18.4.2.2.7.17 SaleItem <SaleItm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 18.4.2.2.7.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 18.4.2.2.7.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 18.4.2.2.7.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		538
	<b>Value &lt;Val&gt;</b>	[0..1]	Binary		538
	<b>ProtectedValue &lt;PrctcdVal&gt;</b>	[0..1]	±		538
	<b>Type &lt;Tp&gt;</b>	[0..1]	Text		538

#### 18.4.2.2.7.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 18.4.2.2.7.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 18.4.2.2.7.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 18.4.2.2.7.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 18.4.2.2.7.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**18.4.2.2.8 MerchantReferenceData <MrchntRefData>**

*Presence:* [0..1]

*Definition:* Merchant related information provided in the request.

*Datatype:* "Max70Text" on page 1400

**18.4.2.3 CurrencyConversionResult <CcyConvsRslt>**

*Presence:* [1..1]

*Definition:* Details of the currency conversion.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Result</b> <RsIt>	[1..1]	CodeSet		541
	<b>ResultReason</b> <RsItRsn>	[0..1]	Text		541
	<b>ConversionDetails</b> <ConvDsDtls>	[0..*]			541
	<b>CurrencyConversionIdentification</b> <CcyConvSId>	[0..1]	Text		542
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			543
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	543
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		543
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		543
	<b>Name</b> <Nm>	[0..1]	Text		543
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		543
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		544
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		544
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		544
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		544
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			544
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	544
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		545
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		545
	<b>Name</b> <Nm>	[0..1]	Text		545
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			545
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		545
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		545
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		546
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			546
	<b>Amount</b> <Amt>	[1..1]	Amount		546
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		546
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			546
	<b>Rate</b> <Rate>	[1..1]	Rate		546
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		546
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		547



**18.4.2.3.1 Result <Rslt>***Presence:* [1..1]*Definition:* Result of a requested currency conversion.*Datatype:* "CurrencyConversionResponse3Code" on page 1362

CodeName	Name	Definition
ODCC	Allowed	Dynamic currency conversion may be offered to the cardholder.
DCCA	Assumed	Transaction authorised with dynamic currency conversion.
ICRD	InvalidCard	The card is not valid for dynamic currency conversion.
IMER	InvalidMerchant	The card acceptor has not been recognised.
IPRD	InvalidProduct	Dynamic currency conversion service cannot be offered for this card product.
IRAT	NoRate	Exchange rates are not available.
NDCC	NotAvailable	Dynamic currency conversion is not available for other reason.
REST	Restriction	Conversion accepted for the requested amount exclusively.
CATG	Catalogue	Conversion accepted for a range of amounts.

**18.4.2.3.2 ResultReason <RsltRsn>***Presence:* [0..1]*Definition:* Plain text explaining the result of the currency conversion request.*Datatype:* "Max35Text" on page 1399**18.4.2.3.3 ConversionDetails <ConvsDtls>***Presence:* [0..\*]*Definition:* Information about the conversion of currency.

**ConversionDetails <ConvDtls>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification &lt;CcyConvslId&gt;</b>	[0..1]	Text		542
	<b>TargetCurrency &lt;TrgtCcy&gt;</b>	[1..1]			543
	<b>AlphaCode &lt;AlphaCd&gt;</b>	[1..1]	CodeSet	C1	543
	<b>NumericCode &lt;NmrcCd&gt;</b>	[1..1]	Text		543
	<b>Decimal &lt;Dcml&gt;</b>	[1..1]	Quantity		543
	<b>Name &lt;Nm&gt;</b>	[0..1]	Text		543
	<b>ResultingAmount &lt;RsltAmt&gt;</b>	[1..1]	Amount		543
	<b>ExchangeRate &lt;XchgRate&gt;</b>	[1..1]	Rate		544
	<b>InvertedExchangeRate &lt;NvrtdXchgRate&gt;</b>	[0..1]	Rate		544
	<b>QuotationDate &lt;QtnDt&gt;</b>	[0..1]	DateTime		544
	<b>ValidUntil &lt;VldUntil&gt;</b>	[0..1]	DateTime		544
	<b>SourceCurrency &lt;SrcCcy&gt;</b>	[1..1]			544
	<b>AlphaCode &lt;AlphaCd&gt;</b>	[0..1]	CodeSet	C1	544
	<b>NumericCode &lt;NmrcCd&gt;</b>	[0..1]	Text		545
	<b>Decimal &lt;Dcml&gt;</b>	[0..1]	Quantity		545
	<b>Name &lt;Nm&gt;</b>	[0..1]	Text		545
	<b>OriginalAmount &lt;OrgnlAmt&gt;</b>	[1..1]			545
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		545
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		545
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		546
	<b>CommissionDetails &lt;ComssnDtls&gt;</b>	[0..*]			546
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		546
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		546
	<b>MarkUpDetails &lt;MrkUpDtls&gt;</b>	[0..*]			546
	<b>Rate &lt;Rate&gt;</b>	[1..1]	Rate		546
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		546
	<b>DeclarationDetails &lt;DclrtDtls&gt;</b>	[0..*]	±		547

#### 18.4.2.3.3.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**18.4.2.3.3.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	543
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		543
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		543
	<b>Name</b> <Nm>	[0..1]	Text		543

**18.4.2.3.3.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**18.4.2.3.3.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**18.4.2.3.3.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**18.4.2.3.3.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**18.4.2.3.3.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 18.4.2.3.3.4 ExchangeRate <XchgRate>

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### 18.4.2.3.3.5 InvertedExchangeRate <NvtrdXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### 18.4.2.3.3.6 QuotationDate <QtnDt>

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### 18.4.2.3.3.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### 18.4.2.3.3.8 SourceCurrency <SrcCcy>

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	544
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		545
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		545
	<b>Name</b> <Nm>	[0..1]	Text		545

##### 18.4.2.3.3.8.1 AlphaCode <AlphaCd>

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**18.4.2.3.3.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**18.4.2.3.3.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**18.4.2.3.3.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**18.4.2.3.3.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		545
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		545
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		546

**18.4.2.3.3.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**18.4.2.3.3.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**18.4.2.3.3.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**18.4.2.3.3.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[1..1]	Amount		546
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		546

**18.4.2.3.3.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**18.4.2.3.3.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**18.4.2.3.3.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate</b> <Rate>	[1..1]	Rate		546
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		546

**18.4.2.3.3.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**18.4.2.3.3.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

Datatype: "Max350Text" on page 1398

#### 18.4.2.3.3.12 DeclarationDetails <DclrtnDtls>

Presence: [0..\*]

Definition: Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstrn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

### 18.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC (message authentication code).

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# 19      caaa.018.001.06

## AcceptorCurrencyConversionAdviceV06

### 19.1    MessageDefinition Functionality

The AcceptorCurrencyConversionAdvice message is sent by the card acceptor to inform the currency conversion service provider of the outcome of the card currency conversion.

#### Outline

The AcceptorCurrencyConversionAdviceV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
  - Currency Conversion request message management information.
- B. AcceptorCurrencyConversionAdvice
  - Information related to the outcome of the currency conversion.
- 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> <AccptrCcyConvsAdv>	[1..1]			
	Header <Hdr>	[1..1]			553
	MessageFunction <MsgFctn>	[1..1]	CodeSet		553
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		554
	ExchangeIdentification <XchgId>	[1..1]	Quantity		555
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		555
	CreationDateTime <CreDtTm>	[1..1]	DateTime		555
	InitiatingParty <InitgPty>	[1..1]	±		555
	RecipientParty <RcptPty>	[0..1]	±		555
	Traceability <Tracblt>	[0..*]	±		556
	AcceptorCurrencyConversionAdvice <AccptrCcyConvsAdv>	[1..1]			556
	Environment <Env>	[1..1]	±		560
	Transaction <Tx>	[1..1]			566
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		569
	TransactionIdentification <TxId>	[1..1]	±		569
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		569
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		569
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		569
	InterchangeData <IntrchgData>	[0..1]	Text		569
	TransactionDetails <TxDtls>	[1..1]			569
	Currency <Ccy>	[0..1]	CodeSet	C1	571
	TotalAmount <TtlAmt>	[1..1]	Amount		572
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		572
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		572
	DetailedAmount <DtlAmt>	[0..1]	±		572
	RequestedAmount <ReqdAmt>	[0..1]	Amount		573
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		573
	InvoiceAmount <InvcAmt>	[0..1]	Amount		573
	ValidityDate <VldtyDt>	[0..1]	Date		573
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		573

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>UnattendedLevelCategory</b> <UatnnddLvlCtgy>	[0..1]	Text		574
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		574
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			575
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		577
	<b>Conversion</b> <Convs>	[0..1]			577
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		578
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			579
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	579
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		579
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		579
	<b>Name</b> <Nm>	[0..1]	Text		579
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		579
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		580
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		580
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		580
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		580
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			580
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	580
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		581
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		581
	<b>Name</b> <Nm>	[0..1]	Text		581
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			581
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		581
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		581
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		582
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			582
	<b>Amount</b> <Amt>	[1..1]	Amount		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			582
	<b>Rate</b> <Rate>	[1..1]	Rate		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		583
	<b>Instalment</b> <Instlmt>	[0..*]	±		583
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		584
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		585
	<b>SaleItem</b> <SaleItm>	[0..*]	±		585
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		586
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		586
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			586
	<b>Identification</b> <Id>	[1..1]	Text		587
	<b>Value</b> <Val>	[0..1]	Binary		587
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		587
	<b>Type</b> <Tp>	[0..1]	Text		587
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		587
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		588
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			588
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		590
	<b>Conversion</b> <Convs>	[0..1]			590
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		591
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			592
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	592
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		592
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		592
	<b>Name</b> <Nm>	[0..1]	Text		592
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		592
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		593
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		593
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		593
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		593
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			593
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	593
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		594

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		594
	<b>Name</b> <Nm>	[0..1]	Text		594
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			594
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		594
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		594
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		595
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			595
	<b>Amount</b> <Amt>	[1..1]	Amount		595
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		595
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			595
	<b>Rate</b> <Rate>	[1..1]	Rate		595
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		595
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		596
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		596

## 19.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C3 ValidationByTable

Must be a valid terrestrial language.

### C4 ValidationByTable

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

## 19.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

## 19.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Currency Conversion request message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		553
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		554
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		555
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		555
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		555
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		555
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		555
	<b>Traceability</b> <Tracblt>	[0..*]	±		556

### 19.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.

CodeName	Name	Definition
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 19.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

**19.4.1.3 ExchangeIdentification <XchgId>***Presence:* [1..1]*Definition:* Unique identification of an exchange occurrence.*Datatype:* "Number" on page 1395**19.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>***Presence:* [0..1]*Definition:* Number of retransmissions of the message.*Datatype:* "Max3NumericText" on page 1399**19.4.1.5 CreationDateTime <CreDtTm>***Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODateTime" on page 1392**19.4.1.6 InitiatingParty <InitgPty>***Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

**19.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 19.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 19.4.2 AcceptorCurrencyConversionAdvice <AccptrCcyConvsvAdv>

*Presence:* [1..1]

*Definition:* Information related to the outcome of the currency conversion.



**AcceptorCurrencyConversionAdvice <AccptrCcyConvsAdv>** contains the following  
**AcceptorCurrencyConversionAdvice6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		560
	<b>Transaction</b> <Tx>	[1..1]			566
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		569
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		569
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		569
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		569
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		569
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		569
	<b>TransactionDetails</b> <TxDtls>	[1..1]			569
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	571
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		572
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		572
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		572
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		572
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		573
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		573
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		573
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		573
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		573
	<b>UnattendedLevelCategory</b> <UattnddLvCtgy>	[0..1]	Text		574
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		574
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			575
	<b>AcceptedByCardholder</b> <AcptdByCrdhldr>	[0..1]	Indicator		577
	<b>Conversion</b> <Convs>	[0..1]			577
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		578
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			579
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	579
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		579
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		579
	<b>Name</b> <Nm>	[0..1]	Text		579

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		579
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		580
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		580
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		580
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		580
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			580
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	580
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		581
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		581
	<b>Name</b> <Nm>	[0..1]	Text		581
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			581
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		581
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		581
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		582
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			582
	<b>Amount</b> <Amt>	[1..1]	Amount		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			582
	<b>Rate</b> <Rate>	[1..1]	Rate		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		583
	<b>Instalment</b> <Instlmt>	[0..*]	±		583
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		584
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		585
	<b>SaleItem</b> <Saleitm>	[0..*]	±		585
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		586
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		586
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			586
	<b>Identification</b> <Id>	[1..1]	Text		587
	<b>Value</b> <Val>	[0..1]	Binary		587
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		587

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Type</b> <Tp>	[0..1]	Text		587
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		587
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		588
	<b>CurrencyConversionResult</b> <CcyConvRslt>	[0..1]			588
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		590
	<b>Conversion</b> <Conv>	[0..1]			590
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		591
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			592
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	592
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		592
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		592
	<b>Name</b> <Nm>	[0..1]	Text		592
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		592
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		593
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		593
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		593
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		593
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			593
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	593
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		594
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		594
	<b>Name</b> <Nm>	[0..1]	Text		594
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			594
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		594
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		594
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		595
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			595
	<b>Amount</b> <Amt>	[1..1]	Amount		595
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		595
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			595
	<b>Rate</b> <Rate>	[1..1]	Rate		595

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		595
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		596

#### 19.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BllgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

### 19.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Currency conversion of a card payment transaction between an acceptor and a currency conversion provider.

Transaction &lt;Tx&gt; contains the following CardPaymentTransaction121 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		569
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		569
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		569
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		569
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		569
	<b>InterchangeData</b> <IntrchgData>	[0..1]	Text		569
	<b>TransactionDetails</b> <TxDtls>	[1..1]			569
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	571
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		572
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		572
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		572
	<b>DetailedAmount</b> <DtlAmt>	[0..1]	±		572
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		573
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		573
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		573
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		573
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		573
	<b>UnattendedLevelCategory</b> <UatnddLvlCtgy>	[0..1]	Text		574
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		574
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			575
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		577
	<b>Conversion</b> <Convs>	[0..1]			577
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		578
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			579
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	579
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		579
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		579
	<b>Name</b> <Nm>	[0..1]	Text		579
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		579
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		580
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		580

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		580
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		580
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			580
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	580
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		581
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		581
	<b>Name</b> <Nm>	[0..1]	Text		581
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			581
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		581
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		581
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		582
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			582
	<b>Amount</b> <Amt>	[1..1]	Amount		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			582
	<b>Rate</b> <Rate>	[1..1]	Rate		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		583
	<b>Instalment</b> <Instlmt>	[0..*]	±		583
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		584
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		585
	<b>SaleItem</b> <Saleitm>	[0..*]	±		585
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		586
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		586
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			586
	<b>Identification</b> <Id>	[1..1]	Text		587
	<b>Value</b> <Val>	[0..1]	Binary		587
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		587
	<b>Type</b> <Tp>	[0..1]	Text		587
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		587
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		588

**19.4.2.2.1 SaleReferenceIdentification <SaleRefId>***Presence:* [0..1]*Definition:* Global reference of the sale transaction for the sale system.*Datatype:* "Max35Text" on page 1399**19.4.2.2.2 TransactionIdentification <TxId>***Presence:* [1..1]*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).**TransactionIdentification <TxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**19.4.2.2.3 InitiatorTransactionIdentification <InitrTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.*Datatype:* "Max35Text" on page 1399**19.4.2.2.4 RecipientTransactionIdentification <RcptTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.*Datatype:* "Max140Text" on page 1397**19.4.2.2.5 ReconciliationIdentification <RcncltnId>***Presence:* [0..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.*Datatype:* "Max35Text" on page 1399**19.4.2.2.6 InterchangeData <IntrchgData>***Presence:* [0..1]*Definition:* Interchange information related to the card scheme.*Datatype:* "Max140Text" on page 1397**19.4.2.2.7 TransactionDetails <TxDtIs>***Presence:* [1..1]*Definition:* Detail of the transaction transported.

TransactionDetails &lt;TxDtIs&gt; contains the following CardPaymentTransactionDetails51 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	571
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		572
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		572
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		572
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		572
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		573
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		573
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		573
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		573
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		573
	<b>UnattendedLevelCategory</b> <UattnddLvICtgy>	[0..1]	Text		574
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		574
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			575
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		577
	<b>Conversion</b> <Convs>	[0..1]			577
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		578
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			579
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	579
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		579
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		579
	<b>Name</b> <Nm>	[0..1]	Text		579
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		579
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		580
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		580
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		580
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		580
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			580
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	580
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		581
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		581
	<b>Name</b> <Nm>	[0..1]	Text		581

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			581
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		581
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		581
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		582
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			582
	<b>Amount</b> <Amt>	[1..1]	Amount		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			582
	<b>Rate</b> <Rate>	[1..1]	Rate		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		583
	<b>Instalment</b> <Instlmt>	[0..*]	±		583
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		584
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		585
	<b>SaleItem</b> <Saleitm>	[0..*]	±		585
	<b>DeliveryLocation</b> <DivryLctn>	[0..1]	Text		586
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		586
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			586
	<b>Identification</b> <Id>	[1..1]	Text		587
	<b>Value</b> <Val>	[0..1]	Binary		587
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		587
	<b>Type</b> <Tp>	[0..1]	Text		587
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		587

#### 19.4.2.2.7.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 19.4.2.2.7.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 19.4.2.2.7.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 19.4.2.2.7.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 19.4.2.2.7.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.



**DetailedAmount <DtIdAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 19.4.2.2.7.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 19.4.2.2.7.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 19.4.2.2.7.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 19.4.2.2.7.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 19.4.2.2.7.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.

CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

**19.4.2.2.7.11 UnattendedLevelCategory <UattnddLvlCtgy>***Presence:* [0..1]*Definition:* Transaction category level on an unattended POI (Point Of Interaction).*Datatype:* "Max35NumericText" on page 1399**19.4.2.2.7.12 AccountType <AcctTp>***Presence:* [0..1]*Definition:* Type of cardholder account used for the transaction.*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.

CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRN	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

**19.4.2.2.7.13 CurrencyConversionResult <CcyConvsRslt>***Presence:* [0..1]*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		577
	<b>Conversion</b> <Convs>	[0..1]			577
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		578
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			579
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	579
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		579
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		579
	<b>Name</b> <Nm>	[0..1]	Text		579
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		579
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		580
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		580
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		580
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		580
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			580
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	580
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		581
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		581
	<b>Name</b> <Nm>	[0..1]	Text		581
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			581
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		581
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		581
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		582
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			582
	<b>Amount</b> <Amt>	[1..1]	Amount		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			582
	<b>Rate</b> <Rate>	[1..1]	Rate		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		583

**19.4.2.2.7.13.1 AcceptedByCardholder <AccptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**19.4.2.2.7.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		578
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			579
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	579
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		579
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		579
	<b>Name</b> <Nm>	[0..1]	Text		579
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		579
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		580
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		580
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		580
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		580
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			580
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	580
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		581
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		581
	<b>Name</b> <Nm>	[0..1]	Text		581
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			581
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		581
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		581
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		582
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			582
	<b>Amount</b> <Amt>	[1..1]	Amount		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			582
	<b>Rate</b> <Rate>	[1..1]	Rate		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		583

#### 19.4.2.2.7.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**19.4.2.2.7.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	579
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		579
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		579
	<b>Name</b> <Nm>	[0..1]	Text		579

**19.4.2.2.7.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**19.4.2.2.7.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**19.4.2.2.7.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**19.4.2.2.7.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**19.4.2.2.7.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 19.4.2.2.7.13.2.4 ExchangeRate <XchgRate>

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### 19.4.2.2.7.13.2.5 InvertedExchangeRate <NvrtdXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### 19.4.2.2.7.13.2.6 QuotationDate <QtnDt>

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### 19.4.2.2.7.13.2.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### 19.4.2.2.7.13.2.8 SourceCurrency <SrcCcy>

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	580
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		581
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		581
	<b>Name</b> <Nm>	[0..1]	Text		581

##### 19.4.2.2.7.13.2.8.1 AlphaCode <AlphaCd>

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341



**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**19.4.2.2.7.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**19.4.2.2.7.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**19.4.2.2.7.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**19.4.2.2.7.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		581
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		581
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		582

**19.4.2.2.7.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**19.4.2.2.7.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**19.4.2.2.7.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**19.4.2.2.7.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[1..1]	Amount		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582

**19.4.2.2.7.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**19.4.2.2.7.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**19.4.2.2.7.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate</b> <Rate>	[1..1]	Rate		582
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		582

**19.4.2.2.7.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**19.4.2.2.7.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1398

#### 19.4.2.2.7.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 19.4.2.2.7.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 19.4.2.2.7.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "AggregationTransaction3" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 19.4.2.2.7.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "Max10Text" on page 1396

#### 19.4.2.2.7.17 SaleItem <SaleItm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 19.4.2.2.7.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 19.4.2.2.7.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 19.4.2.2.7.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		587
	<b>Value &lt;Val&gt;</b>	[0..1]	Binary		587
	<b>ProtectedValue &lt;PrctcdVal&gt;</b>	[0..1]	±		587
	<b>Type &lt;Tp&gt;</b>	[0..1]	Text		587

#### 19.4.2.2.7.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 19.4.2.2.7.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 19.4.2.2.7.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 19.4.2.2.7.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 19.4.2.2.7.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**19.4.2.2.8 MerchantReferenceData <MrchntRefData>**

*Presence:* [0..1]

*Definition:* Merchant related information provided in the request.

*Datatype:* "Max70Text" on page 1400

**19.4.2.3 CurrencyConversionResult <CcyConvsRslt>**

*Presence:* [0..1]

*Definition:* Result of the currency conversion proposed to the cardholder and its result.



**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		590
	<b>Conversion</b> <Convs>	[0..1]			590
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		591
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			592
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	592
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		592
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		592
	<b>Name</b> <Nm>	[0..1]	Text		592
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		592
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		593
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		593
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		593
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		593
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			593
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	593
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		594
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		594
	<b>Name</b> <Nm>	[0..1]	Text		594
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			594
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		594
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		594
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		595
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			595
	<b>Amount</b> <Amt>	[1..1]	Amount		595
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		595
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			595
	<b>Rate</b> <Rate>	[1..1]	Rate		595
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		595
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		596

**19.4.2.3.1 AcceptedByCardholder <AcptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator" on page 1394](#)):

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

**19.4.2.3.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		591
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			592
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	592
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		592
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		592
	<b>Name</b> <Nm>	[0..1]	Text		592
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		592
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		593
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		593
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		593
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		593
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			593
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	593
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		594
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		594
	<b>Name</b> <Nm>	[0..1]	Text		594
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			594
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		594
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		594
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		595
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			595
	<b>Amount</b> <Amt>	[1..1]	Amount		595
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		595
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			595
	<b>Rate</b> <Rate>	[1..1]	Rate		595
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		595
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		596

#### 19.4.2.3.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**19.4.2.3.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	592
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		592
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		592
	<b>Name</b> <Nm>	[0..1]	Text		592

**19.4.2.3.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**19.4.2.3.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**19.4.2.3.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**19.4.2.3.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**19.4.2.3.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 19.4.2.3.2.4 ExchangeRate <XchgRate>

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### 19.4.2.3.2.5 InvertedExchangeRate <NvtrdXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### 19.4.2.3.2.6 QuotationDate <QtnDt>

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### 19.4.2.3.2.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### 19.4.2.3.2.8 SourceCurrency <SrcCcy>

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	593
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		594
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		594
	<b>Name</b> <Nm>	[0..1]	Text		594

##### 19.4.2.3.2.8.1 AlphaCode <AlphaCd>

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**19.4.2.3.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**19.4.2.3.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**19.4.2.3.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**19.4.2.3.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		594
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		594
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		595

**19.4.2.3.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**19.4.2.3.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**19.4.2.3.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**19.4.2.3.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		595
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		595

**19.4.2.3.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**19.4.2.3.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**19.4.2.3.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate &lt;Rate&gt;</b>	[1..1]	Rate		595
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		595

**19.4.2.3.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**19.4.2.3.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1398

#### 19.4.2.3.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstrn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

### 19.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302



## 20      **caaa.019.001.05**

# **AcceptorCurrencyConversionAdviceResponseV05**

### 20.1    **MessageDefinition Functionality**

The AcceptorCurrencyConversionAdviceResponse message is sent by the service provider to acknowledge the acceptor about the notification of the reception of the currency conversion advice.

#### Outline

The AcceptorCurrencyConversionAdviceResponseV05 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Cancellation advice response message management information.
- B. CurrencyConversionAdviceResponse  
Information related to the currency conversion advice 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> <AccptrCcyConvsAdvRspn>	[1..1]			
	Header <Hdr>	[1..1]			599
	MessageFunction <MsgFctn>	[1..1]	CodeSet		599
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		601
	ExchangeIdentification <XchgId>	[1..1]	Quantity		601
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		601
	CreationDateTime <CreDtTm>	[1..1]	DateTime		601
	InitiatingParty <InitgPty>	[1..1]	±		601
	RecipientParty <RcptPty>	[0..1]	±		602
	Traceability <Tracblt>	[0..*]	±		602
	CurrencyConversionAdviceResponse <CcyConvsAdvRspn>	[1..1]			603
	Environment <Envt>	[1..1]	±		603
	Transaction <Tx>	[1..1]			609
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		609
	TransactionIdentification <TxId>	[1..1]	±		609
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		610
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		610
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		610
	Response <Rspn>	[1..1]	CodeSet		610
	TMSTrigger <TMSTrggr>	[0..1]			610
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		611
	TMSIdentification <TMSId>	[0..1]	Text		611
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		611
	SecurityTrailer <SctyTrlr>	[0..1]	±		611

## 20.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with

the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

## C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

## C3 ValidationByTable

Must be a valid terrestrial language.

# 20.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

## 20.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Cancellation advice response message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		599
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		601
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		601
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		601
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		601
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		601
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		602
	<b>Traceability</b> <Tracblt>	[0..*]	±		602

### 20.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.

CodeName	Name	Definition
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.

CodeName	Name	Definition
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 20.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 20.4.1.3 Exchangeldentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 20.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 20.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODatetime" on page 1392

#### 20.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

**20.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

**20.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 20.4.2 CurrencyConversionAdviceResponse <CcyConvsAdvcRspn>

*Presence:* [1..1]

*Definition:* Information related to the currency conversion advice response.

**CurrencyConversionAdviceResponse <CcyConvsAdvcRspn>** contains the following **AcceptorCancellationAdviceResponse10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		603
	<b>Transaction</b> <Tx>	[1..1]			609
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		609
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		609
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		610
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		610
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		610
	<b>Response</b> <Rspn>	[1..1]	CodeSet		610
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			610
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		611
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		611
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		611

### 20.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

### 20.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Cancellation transaction from an acceptor to the acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransactionAdviceResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		609
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		609
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		610
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		610
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		610
	<b>Response</b> <Rspn>	[1..1]	CodeSet		610

#### 20.4.2.2.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 20.4.2.2.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see ["TransactionIdentifier1"](#) on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 20.4.2.2.3 InitiatorTransactionIdentification <InitrTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* ["Max35Text"](#) on page 1399

#### 20.4.2.2.4 RecipientTransactionIdentification <RcptTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* ["Max140Text"](#) on page 1397

#### 20.4.2.2.5 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* ["Max35Text"](#) on page 1399

#### 20.4.2.2.6 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of a requested service.

*Datatype:* ["Response9Code"](#) on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 20.4.2.3 TMSTrigger <TMSTrggr>

*Presence:* [0..1]

*Definition:* Instructions for contacting the terminal management host.

**TMSTrigger <TMSTrggr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		611
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		611
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		611

#### 20.4.2.3.1 TMSContactLevel <TMSCtctLvl>

*Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

#### 20.4.2.3.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

#### 20.4.2.3.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODatetime" on page 1392

### 20.4.3 SecurityTrailer <SctyTrlr>

*Presence:* [0..1]

*Definition:* Trailer of the message containing a MAC.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# 21      **caaa.020.001.03**

## **TransactionAdviceV03**

### **21.1    MessageDefinition Functionality**

The TransactionAdvice message is sent by the Acquirer (or Agent) to provide to the POI the outcome of a transaction processed outside of this protocol.

#### Outline

The TransactionAdviceV03 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Completion advice message management information.
- B. TransactionAdvice  
Information related to the outcome of the 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> <TxAdv>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			618
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		619
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		620
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		620
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		620
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		620
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		620
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		621
	<b>Traceability</b> <Tracblt>	[0..*]	±		621
	<b>TransactionAdvice</b> <TxAdv>	[1..1]			622
	<b>Environment</b> <Env>	[1..1]	±		627
	<b>Context</b> <Cntxt>	[0..1]	±		633
	<b>Transaction</b> <Tx>	[1..1]			636
	<b>TransactionCapture</b> <TxCaptr>	[0..1]	Indicator		641
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		641
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		642
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		642
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		643
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		643
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		643
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		643
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		643
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		644
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		644
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		644
	<b>TransactionSuccess</b> <TxSucss>	[1..1]	Indicator		645
	<b>Reversal</b> <Rvsl>	[0..1]	Indicator		645
	<b>MerchantOverride</b> <MrchntOvrrd>	[0..1]	Indicator		646
	<b>FailureReason</b> <FailrRsn>	[0..*]	CodeSet		646

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>InitiatorTransactionIdentification</b> <IntrTxId>	[0..1]	Text		646
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		647
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		647
	<b>InterchangeData</b> <IntrchgData>	[0..1]	Text		647
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		647
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		647
	<b>TransactionDetails</b> <TxDtls>	[1..1]			647
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	649
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		650
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		650
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		650
	<b>DetailedAmount</b> <DtlAmt>	[0..1]	±		650
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		651
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		651
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		651
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		651
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		651
	<b>UnattendedLevelCategory</b> <UattnddLvlCtgy>	[0..1]	Text		652
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		652
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			653
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		655
	<b>Conversion</b> <Convs>	[0..1]			655
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		656
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			657
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	657
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		657
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		657
	<b>Name</b> <Nm>	[0..1]	Text		657
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		657
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		658
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		658

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		658
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		658
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			658
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	658
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		659
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		659
	<b>Name</b> <Nm>	[0..1]	Text		659
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			659
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		659
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		659
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		660
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			660
	<b>Amount</b> <Amt>	[1..1]	Amount		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			660
	<b>Rate</b> <Rate>	[1..1]	Rate		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		661
	<b>Instalment</b> <Instlmt>	[0..*]	±		661
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		662
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		663
	<b>SaleItem</b> <Saleitm>	[0..*]	±		663
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		664
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		664
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			664
	<b>Identification</b> <Id>	[1..1]	Text		665
	<b>Value</b> <Val>	[0..1]	Binary		665
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		665
	<b>Type</b> <Tp>	[0..1]	Text		665
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		665
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			666

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		666
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			666
	<b>Response</b> <Rspn>	[1..1]	CodeSet		667
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		667
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		667
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		667
	<b>TransactionVerificationResult</b> <TxVrfctnRslt>	[0..*]			667
	<b>Method</b> <Mtd>	[1..1]	CodeSet		668
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		668
	<b>Result</b> <Rslt>	[0..1]	CodeSet		669
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		669
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		669
	<b>AccountFrom</b> <AcctFr>	[0..1]			669
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		670
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		671
	<b>AccountName</b> <AcctNm>	[0..1]	Text		671
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			672
	<b>Name</b> <Nm>	[1..1]	Text		672
	<b>Address</b> <Adr>	[1..1]	±		672
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	672
	<b>AccountIdentifier</b> <Acctldr>	[0..1]			673
{Or	<b>Card</b> <Card>	[1..1]	Text		673
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		673
Or	<b>EMail</b> <EMail>	[1..1]	Text		673
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	673
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		674
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		674
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		674
Or}	<b>Other</b> <Othr>	[1..1]	Text		674
	<b>Servicer</b> <Svcr>	[0..1]			674
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	675

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		675
	<b>AccountTo</b> <AcctTo>	[0..1]			675
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		676
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		677
	<b>AccountName</b> <AcctNm>	[0..1]	Text		677
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			678
	<b>Name</b> <Nm>	[1..1]	Text		678
	<b>Address</b> <Adr>	[1..1]	±		678
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	678
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			679
{Or	<b>Card</b> <Card>	[1..1]	Text		679
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		679
Or	<b>EMail</b> <EMail>	[1..1]	Text		679
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	679
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		680
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		680
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		680
Or}	<b>Other</b> <Othr>	[1..1]	Text		680
	<b>Servicer</b> <Svcr>	[0..1]			680
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	681
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		681
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		681
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	681
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		682

## 21.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**C2 AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

**C3 Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

**C4 IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

**C5 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.

**C6 ValidationByTable**

Must be a valid terrestrial language.

**C7 ValidationByTable**

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

## 21.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 21.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Completion advice message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		619
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		620
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		620
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		620
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		620
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		620
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		621
	<b>Traceability</b> <Tracblt>	[0..*]	±		621

### 21.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.

CodeName	Name	Definition
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 21.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 21.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 21.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 21.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 21.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]



*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 21.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 21.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 21.4.2 TransactionAdvice <TxAdvc>

*Presence:* [1..1]

*Definition:* Information related to the outcome of the transaction.

**TransactionAdvice <TxAdvc>** contains the following **AcceptorCompletionAdvice11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		627
	<b>Context</b> <Cntxt>	[0..1]	±		633
	<b>Transaction</b> <Tx>	[1..1]			636
	<b>TransactionCapture</b> <TxCaptr>	[0..1]	Indicator		641
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		641
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		642
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		642
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		643
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		643
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		643
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		643
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		643
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		644
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		644
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		644
	<b>TransactionSuccess</b> <TxSucss>	[1..1]	Indicator		645
	<b>Reversal</b> <Rvsl>	[0..1]	Indicator		645
	<b>MerchantOverride</b> <MrchntOvrrd>	[0..1]	Indicator		646
	<b>FailureReason</b> <FailrRsn>	[0..*]	CodeSet		646
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		646
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		647
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		647
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		647
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		647
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		647
	<b>TransactionDetails</b> <TxDtls>	[1..1]			647
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	649
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		650
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		650
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		650
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		650

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		651
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		651
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		651
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		651
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		651
	<b>UnattendedLevelCategory</b> <UattnddLv/Ctgy>	[0..1]	Text		652
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		652
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			653
	<b>AcceptedByCardholder</b> <AcptdByCrdhldr>	[0..1]	Indicator		655
	<b>Conversion</b> <Convs>	[0..1]			655
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		656
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			657
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	657
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		657
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		657
	<b>Name</b> <Nm>	[0..1]	Text		657
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		657
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		658
	<b>InvertedExchangeRate</b> <NvrtedXchgRate>	[0..1]	Rate		658
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		658
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		658
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			658
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	658
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		659
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		659
	<b>Name</b> <Nm>	[0..1]	Text		659
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			659
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		659
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		659
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		660
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			660

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[1..1]	Amount		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			660
	<b>Rate</b> <Rate>	[1..1]	Rate		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		661
	<b>Instalment</b> <Instlmt>	[0..*]	±		661
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		662
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		663
	<b>SaleItem</b> <Saleitm>	[0..*]	±		663
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		664
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		664
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			664
	<b>Identification</b> <Id>	[1..1]	Text		665
	<b>Value</b> <Val>	[0..1]	Binary		665
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		665
	<b>Type</b> <Tp>	[0..1]	Text		665
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		665
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			666
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		666
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			666
	<b>Response</b> <Rspn>	[1..1]	CodeSet		667
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		667
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		667
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		667
	<b>TransactionVerificationResult</b> <TxVrfctnRslt>	[0..*]			667
	<b>Method</b> <Mtd>	[1..1]	CodeSet		668
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		668
	<b>Result</b> <Rslt>	[0..1]	CodeSet		669
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		669
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		669

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountFrom</b> <AcctFr>	[0..1]			669
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		670
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		671
	<b>AccountName</b> <AcctNm>	[0..1]	Text		671
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			672
	<b>Name</b> <Nm>	[1..1]	Text		672
	<b>Address</b> <Adr>	[1..1]	±		672
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	672
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			673
{Or	<b>Card</b> <Card>	[1..1]	Text		673
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		673
Or	<b>EMail</b> <EMail>	[1..1]	Text		673
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	673
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		674
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		674
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		674
Or}	<b>Other</b> <Othr>	[1..1]	Text		674
	<b>Servicer</b> <Svcr>	[0..1]			674
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	675
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		675
	<b>AccountTo</b> <AcctTo>	[0..1]			675
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		676
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		677
	<b>AccountName</b> <AcctNm>	[0..1]	Text		677
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			678
	<b>Name</b> <Nm>	[1..1]	Text		678
	<b>Address</b> <Adr>	[1..1]	±		678
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	678
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			679
{Or	<b>Card</b> <Card>	[1..1]	Text		679
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		679

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>EMail</b> <EMail>	[1..1]	Text		679
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	679
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		680
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		680
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		680
Or}	<b>Other</b> <Othr>	[1..1]	Text		680
	<b>Servicer</b> <Svcr>	[0..1]			680
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	681
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		681
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		681
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	681

#### 21.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 21.4.2.2 Context <Cntxt>

*Presence:* [0..1]

*Definition:* Context in which the transaction is performed (payment and sale).

**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrlId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

### 21.4.2.3 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Card payment transaction between an acceptor and an acquirer.



**Transaction <Tx>** contains the following **CardPaymentTransaction118** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionCapture</b> <TxCaptr>	[0..1]	Indicator		641
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		641
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		642
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		642
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		643
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		643
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		643
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		643
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		643
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		644
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		644
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		644
	<b>TransactionSuccess</b> <TxSucss>	[1..1]	Indicator		645
	<b>Reversal</b> <Rvsl>	[0..1]	Indicator		645
	<b>MerchantOverride</b> <MrchntOvrrd>	[0..1]	Indicator		646
	<b>FailureReason</b> <FailrRsn>	[0..*]	CodeSet		646
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		646
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		647
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		647
	<b>InterchangeData</b> <IntrchnngData>	[0..1]	Text		647
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		647
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		647
	<b>TransactionDetails</b> <TxDtls>	[1..1]			647
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	649
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		650
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		650
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		650
	<b>DetailedAmount</b> <DtlAmt>	[0..1]	±		650
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		651
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		651
	<b>InvoiceAmount</b> <InvAmt>	[0..1]	Amount		651

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		651
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		651
	<b>UnattendedLevelCategory</b> <UattnddLvCtgy>	[0..1]	Text		652
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		652
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			653
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		655
	<b>Conversion</b> <Convs>	[0..1]			655
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		656
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			657
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	657
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		657
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		657
	<b>Name</b> <Nm>	[0..1]	Text		657
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		657
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		658
	<b>InvertedExchangeRate</b> <NvtrdXchgRate>	[0..1]	Rate		658
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		658
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		658
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			658
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	658
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		659
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		659
	<b>Name</b> <Nm>	[0..1]	Text		659
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			659
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		659
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		659
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		660
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			660
	<b>Amount</b> <Amt>	[1..1]	Amount		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			660

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate</b> <Rate>	[1..1]	Rate		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		661
	<b>Instalment</b> <Instlmt>	[0..*]	±		661
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		662
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		663
	<b>SaleItem</b> <Saleitm>	[0..*]	±		663
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		664
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		664
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			664
	<b>Identification</b> <Id>	[1..1]	Text		665
	<b>Value</b> <Val>	[0..1]	Binary		665
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		665
	<b>Type</b> <Tp>	[0..1]	Text		665
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		665
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			666
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		666
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			666
	<b>Response</b> <Rspn>	[1..1]	CodeSet		667
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		667
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		667
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		667
	<b>TransactionVerificationResult</b> <TxVrfctnRslt>	[0..*]			667
	<b>Method</b> <Mtd>	[1..1]	CodeSet		668
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		668
	<b>Result</b> <Rslt>	[0..1]	CodeSet		669
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		669
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		669
	<b>AccountFrom</b> <AcctFr>	[0..1]			669
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		670
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		671

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountName</b> <AcctNm>	[0..1]	Text		671
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			672
	<b>Name</b> <Nm>	[1..1]	Text		672
	<b>Address</b> <Adr>	[1..1]	±		672
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	672
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			673
{Or	<b>Card</b> <Card>	[1..1]	Text		673
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		673
Or	<b>EMail</b> <EMail>	[1..1]	Text		673
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	673
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		674
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		674
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		674
Or}	<b>Other</b> <Othr>	[1..1]	Text		674
	<b>Servicer</b> <Svcr>	[0..1]			674
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	675
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		675
	<b>AccountTo</b> <AcctTo>	[0..1]			675
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		676
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		677
	<b>AccountName</b> <AcctNm>	[0..1]	Text		677
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			678
	<b>Name</b> <Nm>	[1..1]	Text		678
	<b>Address</b> <Adr>	[1..1]	±		678
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	678
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			679
{Or	<b>Card</b> <Card>	[1..1]	Text		679
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		679
Or	<b>EMail</b> <EMail>	[1..1]	Text		679
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	679
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		680

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		680
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		680
Or}	<b>Other</b> <Othr>	[1..1]	Text		680
	<b>Servicer</b> <Svcr>	[0..1]			680
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	681
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		681
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		681

#### 21.4.2.3.1 TransactionCapture <TxCaptr>

*Presence:* [0..1]

*Definition:* Flag indicating whether the transaction data must be captured or not in addition to the message process.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 21.4.2.3.2 TransactionType <TxTp>

*Presence:* [0..1]

*Definition:* Type of transaction being undertaken for the main service.

*Datatype:* "CardPaymentServiceType12Code" on page 1357

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.

CodeName	Name	Definition
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

#### 21.4.2.3.3 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 21.4.2.3.4 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 21.4.2.3.5 LastTransactionFlag <LastTxFlg>

*Presence:* [0..1]

*Definition:* Flag indicating processing of the last transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 21.4.2.3.6 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [0..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402

#### 21.4.2.3.7 CustomerConsent <CstmrCnsnt>

*Presence:* [0..1]

*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 21.4.2.3.8 CardProgrammeProposed <CardPrgrmmPropsd>

*Presence:* [0..\*]

*Definition:* The card program proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

*Datatype:* "Max35Text" on page 1399

#### 21.4.2.3.9 CardProgrammeApplied <CardPrgrmmApId>

*Presence:* [0..1]

*Definition:* The card program actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

*Datatype:* "Max35Text" on page 1399

#### 21.4.2.3.10 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 21.4.2.3.11 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 21.4.2.3.12 OriginalTransaction <OrgnlTx>

*Presence:* [0..1]

*Definition:* Identification of the original transaction.



**OriginalTransaction <OrgnlTx>** contains the following elements (see "[CardPaymentTransaction122](#)" on page 1089 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIID>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 21.4.2.3.13 TransactionSuccess <TxSucss>

*Presence:* [1..1]

*Definition:* Outcome of the transaction at the acceptor.

*Datatype:* One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1394):

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

#### 21.4.2.3.14 Reversal <Rvsl>

*Presence:* [0..1]

*Definition:* Notify that a previous transaction has to be reversed if this original transaction has been approved by the acquirer.

*Datatype:* One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1394):

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

**21.4.2.3.15 MerchantOverride <MrchntOvrrd>**

*Presence:* [0..1]

*Definition:* Indicate that the acceptor has forced the transaction in spite of the authorisation result (online or offline), or incident to complete the transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**21.4.2.3.16 FailureReason <FailrRsn>**

*Presence:* [0..\*]

*Definition:* List of incidents during the transaction.

*Datatype:* "FailureReason3Code" on page 1364

CodeName	Name	Definition
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
MALF	Malfunction	Suspected malfunction.
FDCL	OfflineDeclined	Offline authorisation declined the transaction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
PART	Partial	Completed partially.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.

**21.4.2.3.17 InitiatorTransactionIdentification <InitrTxId>**

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* "Max35Text" on page 1399

#### **21.4.2.3.18 RecipientTransactionIdentification <RcptTxId>**

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* "Max140Text" on page 1397

#### **21.4.2.3.19 ReconciliationIdentification <RcncltnId>**

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* "Max35Text" on page 1399

#### **21.4.2.3.20 InterchangeData <IntrchgngData>**

*Presence:* [0..1]

*Definition:* Interchange information related to the card scheme.

*Datatype:* "Max140Text" on page 1397

#### **21.4.2.3.21 IssuerCITIdentification <IssrCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the Issuer, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

#### **21.4.2.3.22 MerchantCITIdentification <MrchntCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the merchant, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

#### **21.4.2.3.23 TransactionDetails <TxDtls>**

*Presence:* [1..1]

*Definition:* Details of the transaction.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	649
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		650
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		650
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		650
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		650
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		651
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		651
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		651
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		651
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		651
	<b>UnattendedLevelCategory</b> <UattnddLvltCtgy>	[0..1]	Text		652
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		652
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			653
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		655
	<b>Conversion</b> <Convs>	[0..1]			655
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		656
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			657
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	657
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		657
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		657
	<b>Name</b> <Nm>	[0..1]	Text		657
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		657
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		658
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		658
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		658
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		658
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			658
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	658
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		659
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		659
	<b>Name</b> <Nm>	[0..1]	Text		659

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			659
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		659
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		659
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		660
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			660
	<b>Amount</b> <Amt>	[1..1]	Amount		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			660
	<b>Rate</b> <Rate>	[1..1]	Rate		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		661
	<b>Instalment</b> <Instlmt>	[0..*]	±		661
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		662
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		663
	<b>SaleItem</b> <Saleitm>	[0..*]	±		663
	<b>DeliveryLocation</b> <DivryLctn>	[0..1]	Text		664
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		664
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			664
	<b>Identification</b> <Id>	[1..1]	Text		665
	<b>Value</b> <Val>	[0..1]	Binary		665
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		665
	<b>Type</b> <Tp>	[0..1]	Text		665
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		665

#### 21.4.2.3.23.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 21.4.2.3.23.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 21.4.2.3.23.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 21.4.2.3.23.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 21.4.2.3.23.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 21.4.2.3.23.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 21.4.2.3.23.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 21.4.2.3.23.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 21.4.2.3.23.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 21.4.2.3.23.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.

CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

#### 21.4.2.3.23.11 UnattendedLevelCategory <UattnddLvlCtgy>

*Presence:* [0..1]

*Definition:* Transaction category level on an unattended POI (Point Of Interaction).

*Datatype:* "Max35NumericText" on page 1399

#### 21.4.2.3.23.12 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.



CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 21.4.2.3.23.13 CurrencyConversionResult <CcyConvRsIt>

*Presence:* [0..1]

*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		655
	<b>Conversion</b> <Convs>	[0..1]			655
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		656
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			657
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	657
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		657
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		657
	<b>Name</b> <Nm>	[0..1]	Text		657
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		657
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		658
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		658
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		658
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		658
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			658
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	658
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		659
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		659
	<b>Name</b> <Nm>	[0..1]	Text		659
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			659
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		659
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		659
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		660
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			660
	<b>Amount</b> <Amt>	[1..1]	Amount		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			660
	<b>Rate</b> <Rate>	[1..1]	Rate		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		661

**21.4.2.3.23.13.1 AcceptedByCardholder <AcptdByCrdhdr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**21.4.2.3.23.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		656
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			657
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	657
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		657
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		657
	<b>Name</b> <Nm>	[0..1]	Text		657
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		657
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		658
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		658
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		658
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		658
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			658
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	658
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		659
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		659
	<b>Name</b> <Nm>	[0..1]	Text		659
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			659
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		659
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		659
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		660
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			660
	<b>Amount</b> <Amt>	[1..1]	Amount		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			660
	<b>Rate</b> <Rate>	[1..1]	Rate		660
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		660
	<b>DeclarationDetails</b> <DclrnDtls>	[0..*]	±		661

#### 21.4.2.3.23.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**21.4.2.3.23.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	657
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		657
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		657
	<b>Name</b> <Nm>	[0..1]	Text		657

**21.4.2.3.23.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**21.4.2.3.23.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**21.4.2.3.23.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**21.4.2.3.23.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**21.4.2.3.23.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 21.4.2.3.23.13.2.4 ExchangeRate <XchgRate>

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### 21.4.2.3.23.13.2.5 InvertedExchangeRate <NvrtdXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### 21.4.2.3.23.13.2.6 QuotationDate <QtnDt>

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### 21.4.2.3.23.13.2.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### 21.4.2.3.23.13.2.8 SourceCurrency <SrcCcy>

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	658
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		659
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		659
	<b>Name</b> <Nm>	[0..1]	Text		659

##### 21.4.2.3.23.13.2.8.1 AlphaCode <AlphaCd>

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**21.4.2.3.23.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**21.4.2.3.23.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**21.4.2.3.23.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**21.4.2.3.23.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		659
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		659
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		660

**21.4.2.3.23.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**21.4.2.3.23.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**21.4.2.3.23.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**21.4.2.3.23.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		660
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		660

**21.4.2.3.23.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**21.4.2.3.23.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**21.4.2.3.23.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate &lt;Rate&gt;</b>	[1..1]	Rate		660
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		660

**21.4.2.3.23.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**21.4.2.3.23.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.



*Datatype:* "Max350Text" on page 1398

#### 21.4.2.3.23.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCdBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCdVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCdNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCdErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 21.4.2.3.23.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 21.4.2.3.23.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "[AggregationTransaction3](#)" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 21.4.2.3.23.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "[Max10Text](#)" on page 1396

#### 21.4.2.3.23.17 SaleItem <Saleitm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 21.4.2.3.23.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 21.4.2.3.23.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 21.4.2.3.23.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification</b> <Id>	[1..1]	Text		665
	<b>Value</b> <Val>	[0..1]	Binary		665
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		665
	<b>Type</b> <Tp>	[0..1]	Text		665

#### 21.4.2.3.23.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 21.4.2.3.23.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 21.4.2.3.23.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 21.4.2.3.23.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 21.4.2.3.23.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**21.4.2.3.24 AuthorisationResult <AuthstnRslt>***Presence:* [0..1]*Definition:* Outcome of the authorisation request.**AuthorisationResult <AuthstnRslt>** contains the following **AuthorisationResult18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	±		666
	<b>ResponseToAuthorisation</b> <RspnToAuthstn>	[1..1]			666
	<b>Response</b> <Rspn>	[1..1]	CodeSet		667
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		667
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		667
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		667

**21.4.2.3.24.1 AuthorisationEntity <AuthstnNtty>***Presence:* [0..1]*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

**21.4.2.3.24.2 ResponseToAuthorisation <RspnToAuthstn>***Presence:* [1..1]*Definition:* Response to an authorisation request.**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		667
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		667
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		667

**21.4.2.3.24.2.1 Response <Rspn>***Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**21.4.2.3.24.2.2 ResponseReason <RspnRsn>***Presence:* [0..1]*Definition:* Detailed result of the transaction.*Datatype:* "Max35Text" on page 1399**21.4.2.3.24.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1397**21.4.2.3.24.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 1401**21.4.2.3.25 TransactionVerificationResult <TxVrfctnRsIt>***Presence:* [0..\*]*Definition:* Result of the performed verifications for the transaction.

**TransactionVerificationResult <TxVrfctnRsIt>** contains the following **TransactionVerificationResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Method</b> <Mtd>	[1..1]	CodeSet		668
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		668
	<b>Result</b> <RsIt>	[0..1]	CodeSet		669
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		669

**21.4.2.3.25.1 Method <Mtd>***Presence:* [1..1]*Definition:* Method of verification that has been performed.*Datatype:* "AuthenticationMethod6Code" on page 1350

CodeName	Name	Definition
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
PPSG	PaperSignature	Handwritten paper signature.
PSWD	Password	Authentication by a password.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
ADDB	BillingAddressVerification	Cardholder billing address verification.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
MANU	ManualVerification	Manual verification, for example passport or drivers license.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

**21.4.2.3.25.2 VerificationEntity <VrfctnNtty>***Presence:* [0..1]*Definition:* Entity or device that has performed the verification.



*Datatype:* "AuthenticationEntity2Code" on page 1350

CodeName	Name	Definition
ICCD	ICC	Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification.
AGNT	AuthorisedAgent	Authorisation agent of the issuer.
MERC	Merchant	Merchant (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

#### 21.4.2.3.25.3 Result <Rslt>

*Presence:* [0..1]

*Definition:* Result of the verification.

*Datatype:* "Verification1Code" on page 1391

CodeName	Name	Definition
FAIL	Failed	Verification failed.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

#### 21.4.2.3.25.4 AdditionalResult <AddtlRslt>

*Presence:* [0..1]

*Definition:* Additional result of the verification.

*Datatype:* "Max500Text" on page 1400

#### 21.4.2.3.26 MerchantReferenceData <MrchntRefData>

*Presence:* [0..1]

*Definition:* Merchant information that must be returned unchanged in the response.

*Datatype:* "Max70Text" on page 1400

#### 21.4.2.3.27 AccountFrom <AcctFr>

*Presence:* [0..1]

*Definition:* Information relevant to the account where the money is taken from.

**AccountFrom <AcctFr>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		670
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		671
	<b>AccountName</b> <AcctNm>	[0..1]	Text		671
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			672
	<b>Name</b> <Nm>	[1..1]	Text		672
	<b>Address</b> <Adr>	[1..1]	±		672
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	672
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			673
{Or	<b>Card</b> <Card>	[1..1]	Text		673
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		673
Or	<b>EMail</b> <EMail>	[1..1]	Text		673
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	673
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		674
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		674
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		674
Or}	<b>Other</b> <Othr>	[1..1]	Text		674
	<b>Servicer</b> <Svcr>	[0..1]			674
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	675
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		675

#### 21.4.2.3.27.1 SelectionMethod <SelctnMtd>

*Presence:* [0..1]

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.

CodeName	Name	Definition
TPSL	TypeSelected	Type of account selected in a list.

#### 21.4.2.3.27.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 21.4.2.3.27.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

*Usage:* The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 21.4.2.3.27.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		672
	<b>Address</b> <Adr>	[1..1]	±		672

##### 21.4.2.3.27.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 21.4.2.3.27.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

##### 21.4.2.3.27.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**21.4.2.3.27.6 AccountIdentifier <AcctIdr>**

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>Card</b> <Card>	[1..1]	Text		673
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		673
Or	<b>EMail</b> <EMail>	[1..1]	Text		673
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	673
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		674
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		674
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		674
Or}	<b>Other</b> <Othr>	[1..1]	Text		674

**21.4.2.3.27.6.1 Card <Card>**

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

**21.4.2.3.27.6.2 MSISDN <MSISDN>**

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

**21.4.2.3.27.6.3 EMail <EMail>**

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

**21.4.2.3.27.6.4 IBAN <IBAN>**

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### **Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### **21.4.2.3.27.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

#### **21.4.2.3.27.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

#### **21.4.2.3.27.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

#### **21.4.2.3.27.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

#### **21.4.2.3.27.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	675
Or}	<b>ProprietaryIdentification</b> <Prtryld>	[1..1]	±		675

#### 21.4.2.3.27.7.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 21.4.2.3.27.7.2 ProprietaryIdentification <Prtryld>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <Prtryld>** contains the following elements (see "[GenericIdentification1](#)" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 21.4.2.3.28 AccountTo <AcctTo>

*Presence:* [0..1]

*Definition:* Information relevant to the account where the money is put.

**AccountTo <AcctTo>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		676
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		677
	<b>AccountName</b> <AcctNm>	[0..1]	Text		677
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			678
	<b>Name</b> <Nm>	[1..1]	Text		678
	<b>Address</b> <Adr>	[1..1]	±		678
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	678
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			679
{Or	<b>Card</b> <Card>	[1..1]	Text		679
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		679
Or	<b>EMail</b> <EMail>	[1..1]	Text		679
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	679
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		680
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		680
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		680
Or}	<b>Other</b> <Othr>	[1..1]	Text		680
	<b>Servicer</b> <Svcr>	[0..1]			680
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	681
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		681

#### 21.4.2.3.28.1 SelectionMethod <SelctnMtd>

*Presence:* [0..1]

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.



CodeName	Name	Definition
TPSL	TypeSelected	Type of account selected in a list.

#### 21.4.2.3.28.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 21.4.2.3.28.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

*Usage:* The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 21.4.2.3.28.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		678
	<b>Address</b> <Adr>	[1..1]	±		678

##### 21.4.2.3.28.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 21.4.2.3.28.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

##### 21.4.2.3.28.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**21.4.2.3.28.6 AccountIdentifier <AcctIdr>**

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>Card</b> <Card>	[1..1]	Text		679
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		679
Or	<b>EMail</b> <EMail>	[1..1]	Text		679
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	679
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		680
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		680
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		680
Or}	<b>Other</b> <Othr>	[1..1]	Text		680

**21.4.2.3.28.6.1 Card <Card>**

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

**21.4.2.3.28.6.2 MSISDN <MSISDN>**

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

**21.4.2.3.28.6.3 EMail <EMail>**

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

**21.4.2.3.28.6.4 IBAN <IBAN>**

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### **Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### **21.4.2.3.28.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

#### **21.4.2.3.28.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

#### **21.4.2.3.28.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

#### **21.4.2.3.28.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

#### **21.4.2.3.28.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	681
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		681

#### 21.4.2.3.28.7.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 21.4.2.3.28.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "GenericIdentification1" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 21.4.2.3.29 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* "Max70Text" on page 1400

#### 21.4.2.4 SupplementaryData <SplmtryData>

*Presence:* [0..\*]

*Definition:* Additional information incorporated as an extension to the message.

*Impacted by:* C5 "SupplementaryDataRule"

**SupplementaryData <SplmtryData>** contains the following elements (see "[SupplementaryData1](#)" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

#### 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 "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## 22      **caaa.021.001.03**

# **TransactionAdviceResponseV03**

### 22.1    **MessageDefinition Functionality**

The TransactionAdviceResponse message is sent by the POI to acknowledge the Acquirer (or its agent) about the notification of the transaction advice.

#### Outline

The TransactionAdviceResponseV03 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Completion advice message management information.
- B. TransactionAdviceResponse  
Information related to the transaction advice response.
- 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> <TxAdvcRspn>	[1..1]			
	Header <Hdr>	[1..1]			685
	MessageFunction <MsgFctn>	[1..1]	CodeSet		685
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		687
	ExchangeIdentification <XchgId>	[1..1]	Quantity		687
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		687
	CreationDateTime <CreDtTm>	[1..1]	DateTime		687
	InitiatingParty <InitgPty>	[1..1]	±		687
	RecipientParty <RcptPty>	[0..1]	±		688
	Traceability <Tracblt>	[0..*]	±		688
	TransactionAdviceResponse <TxAdvcRspn>	[1..1]			689
	Environment <Envt>	[1..1]	±		689
	Transaction <Tx>	[1..1]			695
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		695
	TransactionIdentification <TxId>	[1..1]	±		695
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		696
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		696
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		696
	Response <Rspn>	[1..1]	CodeSet		696
	TMSTrigger <TMSTrggr>	[0..1]			696
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		697
	TMSIdentification <TMSId>	[0..1]	Text		697
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		697
	SupplementaryData <SplmtryData>	[0..*]	±	C3	697
	SecurityTrailer <SctyTrlr>	[0..1]	±		698

## 22.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with



the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

## C2 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

## C3 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.

## C4 ValidationByTable

Must be a valid terrestrial language.

# 22.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

## 22.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Completion advice message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		685
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		687
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		687
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Text		687
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		687
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		687
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		688
	<b>Traceability</b> <Tracblt>	[0..*]	±		688

### 22.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.

CodeName	Name	Definition
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.

CodeName	Name	Definition
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 22.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 22.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 22.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 22.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 22.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 22.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

#### 22.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 22.4.2 TransactionAdviceResponse <TxAdvcRspn>

*Presence:* [1..1]

*Definition:* Information related to the transaction advice response.

**TransactionAdviceResponse <TxAdvcRspn>** contains the following  
**AcceptorCompletionAdviceResponse10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		689
	<b>Transaction</b> <Tx>	[1..1]			695
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		695
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		695
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		696
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		696
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		696
	<b>Response</b> <Rspn>	[1..1]	CodeSet		696
	<b>TMSTrigger</b> <TMSTrggr>	[0..1]			696
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		697
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		697
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		697
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C3	697

### 22.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

### 22.4.2.2 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Card payment transaction between an acceptor and an acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransactionAdviceResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		695
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		695
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		696
	<b>RecipientTransactionIdentification</b> <RcptTxId>	[0..1]	Text		696
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		696
	<b>Response</b> <Rspn>	[1..1]	CodeSet		696

#### 22.4.2.2.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 22.4.2.2.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see ["TransactionIdentifier1"](#) on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 22.4.2.2.3 InitiatorTransactionIdentification <InitrTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* ["Max35Text"](#) on page 1399

#### 22.4.2.2.4 RecipientTransactionIdentification <RcptTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* ["Max140Text"](#) on page 1397

#### 22.4.2.2.5 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* ["Max35Text"](#) on page 1399

#### 22.4.2.2.6 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of a requested service.

*Datatype:* ["Response9Code"](#) on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 22.4.2.3 TMSTrigger <TMSTrggr>

*Presence:* [0..1]

*Definition:* Instructions for contacting the terminal management host.

**TMSTrigger <TMSTrgr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TMSContactLevel</b> <TMSCtctLvl>	[1..1]	CodeSet		697
	<b>TMSIdentification</b> <TMSId>	[0..1]	Text		697
	<b>TMSContactDateTime</b> <TMSCtctDtTm>	[0..1]	DateTime		697

#### 22.4.2.3.1 TMSContactLevel <TMSCtctLvl>

*Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

#### 22.4.2.3.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

#### 22.4.2.3.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODateTime" on page 1392

#### 22.4.2.4 SupplementaryData <SplmtryData>

*Presence:* [0..\*]

*Definition:* Additional information incorporated as an extension to the message.

*Impacted by:* C3 "SupplementaryDataRule"

**SupplementaryData <SplmtryData>** contains the following elements (see "SupplementaryData1" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

**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 "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## **23      caaa.022.001.02**

# **AcceptorNonFinancialRequestV02**

### **23.1    MessageDefinition Functionality**

The AcceptorNonFinancialRequest message is sent by the POI to receive additional information from the Acquirer (or its agent).

#### Outline

The AcceptorNonFinancialRequestV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
  - Non Financial request message management information.
- B. NonFinancialRequest
  - Information related to the non financial request.
- C. SecurityTrailer
  - Trailer of the message containing a MAC.

## 23.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrNonFinReq>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			705
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		705
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		706
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		707
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		707
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		707
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		707
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		707
	<b>Traceability</b> <Tracblt>	[0..*]	±		708
	<b>NonFinancialRequest</b> <NonFinReq>	[1..1]			708
	<b>Environment</b> <Envnt>	[1..1]	±		712
	<b>Context</b> <Cntxt>	[1..1]	±		718
	<b>NonFinancialRequestContent</b> <NonFinReqCntt>	[1..1]			721
	<b>NonFinancialRequestType</b> <NonFinReqTp>	[1..*]	CodeSet		725
	<b>Transaction</b> <Tx>	[0..1]			726
	<b>TransactionCapture</b> <TxCaptr>	[1..1]	Indicator		730
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		730
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		731
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		732
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		732
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		732
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		733
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		733
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		733
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		733
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		733
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		733
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		734
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		734



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		734
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		735
	<b>TransactionDetails</b> <TxDtIs>	[1..1]			735
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	737
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		738
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		738
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		738
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		738
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		739
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		739
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		739
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		739
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		739
	<b>UnattendedLevelCategory</b> <UattnddLvCtgy>	[0..1]	Text		740
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		740
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			741
	<b>AcceptedByCardholder</b> <AccptdByCrhdldr>	[0..1]	Indicator		743
	<b>Conversion</b> <Convs>	[0..1]			743
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		744
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			745
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	745
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		745
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		745
	<b>Name</b> <Nm>	[0..1]	Text		745
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		745
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		746
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		746
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		746
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		746
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			746
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	746

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		747
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		747
	<b>Name</b> <Nm>	[0..1]	Text		747
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			747
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		747
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		747
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		748
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			748
	<b>Rate</b> <Rate>	[1..1]	Rate		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		749
	<b>Instalment</b> <Instlmt>	[0..*]	±		749
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		750
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		751
	<b>SaleItem</b> <Saleitm>	[0..*]	±		751
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		752
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		752
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			752
	<b>Identification</b> <Id>	[1..1]	Text		753
	<b>Value</b> <Val>	[0..1]	Binary		753
	<b>ProtectedValue</b> <PrctdVal>	[0..1]	±		753
	<b>Type</b> <Tp>	[0..1]	Text		753
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		753
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		754
	<b>AccountFrom</b> <AcctFr>	[0..1]			754
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		754
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		755
	<b>AccountName</b> <AcctNm>	[0..1]	Text		756

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			756
	<b>Name</b> <Nm>	[1..1]	Text		756
	<b>Address</b> <Adr>	[1..1]	±		756
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	757
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			757
{Or	<b>Card</b> <Card>	[1..1]	Text		758
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		758
Or	<b>EMail</b> <EMail>	[1..1]	Text		758
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	758
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		759
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		759
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		759
Or}	<b>Other</b> <Othr>	[1..1]	Text		759
	<b>Servicer</b> <Svcr>	[0..1]			759
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	759
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		760
	<b>AccountTo</b> <AcctTo>	[0..1]			760
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		761
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		762
	<b>AccountName</b> <AcctNm>	[0..1]	Text		762
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			763
	<b>Name</b> <Nm>	[1..1]	Text		763
	<b>Address</b> <Adr>	[1..1]	±		763
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	763
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			764
{Or	<b>Card</b> <Card>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or	<b>EMail</b> <EMail>	[1..1]	Text		764
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	764
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		765
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		765

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		765
Or}	<b>Other</b> <Othr>	[1..1]	Text		765
	<b>Servicer</b> <Svcr>	[0..1]			765
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	766
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		766
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		766
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	766
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		767

## 23.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

### C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

### C5 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.

### C6 ValidationByTable

Must be a valid terrestrial language.

### C7 ValidationByTable

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

## 23.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

## 23.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Non Financial request message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		705
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		706
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		707
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Text		707
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		707
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		707
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		707
	<b>Traceability</b> <Tracblt>	[0..*]	±		708

### 23.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.

CodeName	Name	Definition
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

### 23.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

### 23.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

### 23.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

### 23.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

### 23.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

### 23.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

### 23.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 23.4.2 NonFinancialRequest <NonFinReq>

*Presence:* [1..1]

*Definition:* Information related to the non financial request.



**NonFinancialRequest** <NonFinReq> contains the following **NonFinancialRequestComponent2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		712
	<b>Context</b> <Cntxt>	[1..1]	±		718
	<b>NonFinancialRequestContent</b> <NonFinReqCntt>	[1..1]			721
	<b>NonFinancialRequestType</b> <NonFinReqTp>	[1..*]	CodeSet		725
	<b>Transaction</b> <Tx>	[0..1]			726
	<b>TransactionCapture</b> <TxCaptr>	[1..1]	Indicator		730
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		730
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		731
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		732
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		732
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		732
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		733
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		733
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		733
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		733
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		733
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		733
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		734
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		734
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		734
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		735
	<b>TransactionDetails</b> <TxDtls>	[1..1]			735
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	737
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		738
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		738
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		738
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		738
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		739
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		739
	<b>InvoiceAmount</b> <InvAmt>	[0..1]	Amount		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		739
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		739
	<b>UnattendedLevelCategory</b> <UattnddLvCtgy>	[0..1]	Text		740
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		740
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			741
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		743
	<b>Conversion</b> <Convs>	[0..1]			743
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		744
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			745
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	745
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		745
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		745
	<b>Name</b> <Nm>	[0..1]	Text		745
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		745
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		746
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		746
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		746
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		746
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			746
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	746
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		747
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		747
	<b>Name</b> <Nm>	[0..1]	Text		747
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			747
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		747
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		747
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		748
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			748

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate</b> <Rate>	[1..1]	Rate		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		749
	<b>Instalment</b> <Instlmt>	[0..*]	±		749
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		750
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		751
	<b>SaleItem</b> <Saleitm>	[0..*]	±		751
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		752
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		752
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			752
	<b>Identification</b> <Id>	[1..1]	Text		753
	<b>Value</b> <Val>	[0..1]	Binary		753
	<b>ProtectedValue</b> <PrtctdVal>	[0..1]	±		753
	<b>Type</b> <Tp>	[0..1]	Text		753
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		753
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		754
	<b>AccountFrom</b> <AcctFr>	[0..1]			754
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		754
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		755
	<b>AccountName</b> <AcctNm>	[0..1]	Text		756
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			756
	<b>Name</b> <Nm>	[1..1]	Text		756
	<b>Address</b> <Adr>	[1..1]	±		756
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	757
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			757
{Or	<b>Card</b> <Card>	[1..1]	Text		758
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		758
Or	<b>EMail</b> <EMail>	[1..1]	Text		758
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	758
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		759
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		759

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		759
Or}	<b>Other</b> <Othr>	[1..1]	Text		759
	<b>Servicer</b> <Svcr>	[0..1]			759
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	759
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		760
	<b>AccountTo</b> <AcctTo>	[0..1]			760
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		761
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		762
	<b>AccountName</b> <AcctNm>	[0..1]	Text		762
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			763
	<b>Name</b> <Nm>	[1..1]	Text		763
	<b>Address</b> <Adr>	[1..1]	±		763
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	763
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			764
{Or	<b>Card</b> <Card>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or	<b>EMail</b> <EMail>	[1..1]	Text		764
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	764
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		765
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		765
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		765
Or}	<b>Other</b> <Othr>	[1..1]	Text		765
	<b>Servicer</b> <Svcr>	[0..1]			765
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	766
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		766
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		766
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	766

### 23.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

### 23.4.2.2 Context <Cntxt>

*Presence:* [1..1]

*Definition:* Context in which the transaction is performed (payment and sale).

**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

### 23.4.2.3 NonFinancialRequestContent <NonFinReqCntt>

*Presence:* [1..1]

*Definition:* Aim of the non financial request.

**NonFinancialRequestContent** <NonFinReqCntt> contains the following  
**NonFinancialRequestContentComponent2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>NonFinancialRequestType</b> <NonFinReqTp>	[1..*]	CodeSet		725
	<b>Transaction</b> <Tx>	[0..1]			726
	<b>TransactionCapture</b> <TxCaptr>	[1..1]	Indicator		730
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		730
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		731
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		732
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		732
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		732
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		733
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		733
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		733
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		733
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		733
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		733
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		734
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		734
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		734
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		735
	<b>TransactionDetails</b> <TxDtls>	[1..1]			735
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	737
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		738
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		738
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		738
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		738
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		739
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		739
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		739
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		739
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		739
	<b>UnattendedLevelCategory</b> <UatnddLvCtgy>	[0..1]	Text		740

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		740
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			741
	<b>AcceptedByCardholder</b> <AcptdByCrhdldr>	[0..1]	Indicator		743
	<b>Conversion</b> <Convs>	[0..1]			743
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		744
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			745
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	745
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		745
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		745
	<b>Name</b> <Nm>	[0..1]	Text		745
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		745
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		746
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		746
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		746
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		746
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			746
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	746
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		747
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		747
	<b>Name</b> <Nm>	[0..1]	Text		747
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			747
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		747
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		747
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		748
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			748
	<b>Rate</b> <Rate>	[1..1]	Rate		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>DeclarationDetails</b> <DclrtDtls>	[0..*]	±		749

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Instalment</b> <Instlmt>	[0..*]	±		749
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		750
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		751
	<b>SaleItem</b> <Saleitm>	[0..*]	±		751
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		752
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		752
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			752
	<b>Identification</b> <Id>	[1..1]	Text		753
	<b>Value</b> <Val>	[0..1]	Binary		753
	<b>ProtectedValue</b> <PrtctdVal>	[0..1]	±		753
	<b>Type</b> <Tp>	[0..1]	Text		753
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		753
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		754
	<b>AccountFrom</b> <AcctFr>	[0..1]			754
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		754
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		755
	<b>AccountName</b> <AcctNm>	[0..1]	Text		756
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			756
	<b>Name</b> <Nm>	[1..1]	Text		756
	<b>Address</b> <Adr>	[1..1]	±		756
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	757
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			757
{Or	<b>Card</b> <Card>	[1..1]	Text		758
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		758
Or	<b>EMail</b> <EMail>	[1..1]	Text		758
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	758
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		759
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		759
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		759
Or}	<b>Other</b> <Othr>	[1..1]	Text		759
	<b>Servicer</b> <Svcr>	[0..1]			759



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	759
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		760
	<b>AccountTo</b> <AcctTo>	[0..1]			760
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		761
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		762
	<b>AccountName</b> <AcctNm>	[0..1]	Text		762
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			763
	<b>Name</b> <Nm>	[1..1]	Text		763
	<b>Address</b> <Adr>	[1..1]	±		763
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	763
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			764
{Or	<b>Card</b> <Card>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or	<b>EMail</b> <EMail>	[1..1]	Text		764
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	764
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		765
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		765
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		765
Or}	<b>Other</b> <Othr>	[1..1]	Text		765
	<b>Servicer</b> <Svcr>	[0..1]			765
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	766
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		766
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		766

#### 23.4.2.3.1 NonFinancialRequestType <NonFinReqTp>

*Presence:* [1..\*]

*Definition:* Type of non financial request that the Acceptor wants to be processed.

*Datatype:* "NonFinancialRequestType1Code" on page 1373

CodeName	Name	Definition
ACQR	AcquirerSelection	According to several parameters of a transaction, an Intermediary Agent helps an Acceptor to identify the more relevant Acquirer to process the transaction.

CodeName	Name	Definition
PARQ	ParRequest	The Intermediary Agent or Acquirer provides the PaymentAccountReference to use to process the transaction.
RISK	RiskManagement	The Intermediary Agent or Acquirer helps the Acceptor to assess the risk management of the transaction.
TOKN	TokenRequest	The Intermediary Agent or Acquirer provides the token to use to process the transaction.

#### 23.4.2.3.2 Transaction <Tx>

*Presence:* [0..1]

*Definition:* Card payment transaction between an acceptor and an acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransaction119** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionCapture</b> <TxCaptr>	[1..1]	Indicator		730
	<b>TransactionType</b> <TxTp>	[0..1]	CodeSet		730
	<b>AdditionalService</b> <AddtlSvc>	[0..*]	CodeSet		731
	<b>ServiceAttribute</b> <SvcAttr>	[0..1]	CodeSet		732
	<b>LastTransactionFlag</b> <LastTxFlg>	[0..1]	Indicator		732
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[0..1]	Text		732
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		733
	<b>CardProgrammeProposed</b> <CardPrgrmmPropsd>	[0..*]	Text		733
	<b>CardProgrammeApplied</b> <CardPrgrmmApld>	[0..1]	Text		733
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		733
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		733
	<b>OriginalTransaction</b> <OrgnlTx>	[0..1]	±		733
	<b>InitiatorTransactionIdentification</b> <InitrTxId>	[0..1]	Text		734
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		734
	<b>IssuerCITIdentification</b> <IssrCITId>	[0..1]	Text		734
	<b>MerchantCITIdentification</b> <MrchntCITId>	[0..1]	Text		735
	<b>TransactionDetails</b> <TxDtls>	[1..1]			735
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	737
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		738
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		738
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		738
	<b>DetailedAmount</b> <DtlAmt>	[0..1]	±		738
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		739
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		739
	<b>InvoiceAmount</b> <InvAmt>	[0..1]	Amount		739
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		739
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		739
	<b>UnattendedLevelCategory</b> <UatnddLvCtgy>	[0..1]	Text		740
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		740
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			741
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Conversion</b> <Convs>	[0..1]			743
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		744
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			745
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	745
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		745
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		745
	<b>Name</b> <Nm>	[0..1]	Text		745
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		745
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		746
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		746
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		746
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		746
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			746
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	746
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		747
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		747
	<b>Name</b> <Nm>	[0..1]	Text		747
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			747
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		747
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		747
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		748
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			748
	<b>Rate</b> <Rate>	[1..1]	Rate		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..*]	±		749
	<b>Instalment</b> <Instlmt>	[0..*]	±		749
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		750
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleItem</b> <SaleItm>	[0..*]	±		751
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		752
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		752
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			752
	<b>Identification</b> <Id>	[1..1]	Text		753
	<b>Value</b> <Val>	[0..1]	Binary		753
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		753
	<b>Type</b> <Tp>	[0..1]	Text		753
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		753
	<b>MerchantReferenceData</b> <MrchntRefData>	[0..1]	Text		754
	<b>AccountFrom</b> <AcctFr>	[0..1]			754
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		754
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		755
	<b>AccountName</b> <AcctNm>	[0..1]	Text		756
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			756
	<b>Name</b> <Nm>	[1..1]	Text		756
	<b>Address</b> <Adr>	[1..1]	±		756
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	757
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			757
{Or	<b>Card</b> <Card>	[1..1]	Text		758
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		758
Or	<b>EMail</b> <EMail>	[1..1]	Text		758
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	758
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		759
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		759
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		759
Or}	<b>Other</b> <Othr>	[1..1]	Text		759
	<b>Servicer</b> <Svcr>	[0..1]			759
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	759
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		760
	<b>AccountTo</b> <AcctTo>	[0..1]			760

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		761
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		762
	<b>AccountName</b> <AcctNm>	[0..1]	Text		762
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			763
	<b>Name</b> <Nm>	[1..1]	Text		763
	<b>Address</b> <Adr>	[1..1]	±		763
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	763
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			764
{Or	<b>Card</b> <Card>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or	<b>EMail</b> <EMail>	[1..1]	Text		764
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	764
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		765
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		765
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		765
Or}	<b>Other</b> <Othr>	[1..1]	Text		765
	<b>Servicer</b> <Svcr>	[0..1]			765
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	766
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		766
	<b>AdditionalTransactionData</b> <AddtlTxData>	[0..*]	Text		766

#### 23.4.2.3.2.1 TransactionCapture <TxCaptr>

*Presence:* [1..1]

*Definition:* Flag indicating whether the transaction data must be captured or not in addition to the message process.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 23.4.2.3.2.2 TransactionType <TxTp>

*Presence:* [0..1]

*Definition:* Type of transaction being undertaken for the main service.

*Datatype:* "CardPaymentServiceType12Code" on page 1357

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

#### 23.4.2.3.2.3 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.

CodeName	Name	Definition
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 23.4.2.3.2.4 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 23.4.2.3.2.5 LastTransactionFlag <LastTxFlg>

*Presence:* [0..1]

*Definition:* Flag indicating processing of the last transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 23.4.2.3.2.6 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [0..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402



**23.4.2.3.2.7 CustomerConsent <CstmrCnsnt>**

*Presence:* [0..1]

*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**23.4.2.3.2.8 CardProgrammeProposed <CardPrgrmmPropsd>**

*Presence:* [0..\*]

*Definition:* The card program proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

*Datatype:* ["Max35Text"](#) on page 1399

**23.4.2.3.2.9 CardProgrammeApplied <CardPrgrmmApld>**

*Presence:* [0..1]

*Definition:* The card program actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

*Datatype:* ["Max35Text"](#) on page 1399

**23.4.2.3.2.10 SaleReferenceIdentification <SaleRefId>**

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* ["Max35Text"](#) on page 1399

**23.4.2.3.2.11 TransactionIdentification <TxId>**

*Presence:* [1..1]

*Definition:* Identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see ["TransactionIdentifier1"](#) on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**23.4.2.3.2.12 OriginalTransaction <OrgnITx>**

*Presence:* [0..1]

*Definition:* Identification of the original transaction.

**OriginalTransaction <OrgnITx>** contains the following elements (see "[CardPaymentTransaction122](#)" on page 1089 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIID>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 23.4.2.3.2.13 InitiatorTransactionIdentification <InitrTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* "[Max35Text](#)" on page 1399

#### 23.4.2.3.2.14 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* "[Max35Text](#)" on page 1399

#### 23.4.2.3.2.15 IssuerCITIdentification <IssrCITId>

*Presence:* [0..1]

*Definition:* Identification, given by the Issuer, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "[Max140Text](#)" on page 1397

**23.4.2.3.2.16 MerchantCITIdentification <MrchntCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the merchant, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

**23.4.2.3.2.17 TransactionDetails <TxDtIs>**

*Presence:* [1..1]

*Definition:* Details of the transaction.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	737
	<b>TotalAmount</b> <TtlAmt>	[1..1]	Amount		738
	<b>CumulativeAmount</b> <CmltvAmt>	[0..1]	Amount		738
	<b>AmountQualifier</b> <AmtQlfr>	[0..1]	CodeSet		738
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		738
	<b>RequestedAmount</b> <ReqdAmt>	[0..1]	Amount		739
	<b>AuthorisedAmount</b> <AuthrsdAmt>	[0..1]	Amount		739
	<b>InvoiceAmount</b> <InvcAmt>	[0..1]	Amount		739
	<b>ValidityDate</b> <VldtyDt>	[0..1]	Date		739
	<b>OnLineReason</b> <OnLineRsn>	[0..*]	CodeSet		739
	<b>UnattendedLevelCategory</b> <UattnddLvltCtgy>	[0..1]	Text		740
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		740
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			741
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		743
	<b>Conversion</b> <Convs>	[0..1]			743
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		744
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			745
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	745
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		745
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		745
	<b>Name</b> <Nm>	[0..1]	Text		745
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		745
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		746
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		746
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		746
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		746
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			746
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	746
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		747
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		747
	<b>Name</b> <Nm>	[0..1]	Text		747

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			747
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		747
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		747
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		748
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			748
	<b>Rate</b> <Rate>	[1..1]	Rate		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		749
	<b>Instalment</b> <Instlmt>	[0..*]	±		749
	<b>AggregationTransaction</b> <AggtnTx>	[0..1]	±		750
	<b>ProductCodeSetIdentification</b> <PdctCdSetId>	[0..1]	Text		751
	<b>SaleItem</b> <SaleItm>	[0..*]	±		751
	<b>DeliveryLocation</b> <DlvryLctn>	[0..1]	Text		752
	<b>ReSubmissionCounter</b> <ReSubmissnCnt>	[0..1]	Quantity		752
	<b>AdditionalInformation</b> <AddtlInf>	[0..*]			752
	<b>Identification</b> <Id>	[1..1]	Text		753
	<b>Value</b> <Val>	[0..1]	Binary		753
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		753
	<b>Type</b> <Tp>	[0..1]	Text		753
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		753

#### 23.4.2.3.2.17.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 23.4.2.3.2.17.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 23.4.2.3.2.17.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 23.4.2.3.2.17.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 23.4.2.3.2.17.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 23.4.2.3.2.17.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 23.4.2.3.2.17.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 23.4.2.3.2.17.8 InvoiceAmount <InvAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 23.4.2.3.2.17.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 23.4.2.3.2.17.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.

CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

#### 23.4.2.3.2.17.11 UnattendedLevelCategory <UattnddLvlCtgy>

*Presence:* [0..1]

*Definition:* Transaction category level on an unattended POI (Point Of Interaction).

*Datatype:* "Max35NumericText" on page 1399

#### 23.4.2.3.2.17.12 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.



CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 23.4.2.3.2.17.13 CurrencyConversionResult <CcyConvsRslt>

*Presence:* [0..1]

*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AcceptedByCardholder</b> <AccptdByCrdhldr>	[0..1]	Indicator		743
	<b>Conversion</b> <Convs>	[0..1]			743
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		744
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			745
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	745
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		745
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		745
	<b>Name</b> <Nm>	[0..1]	Text		745
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		745
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		746
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		746
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		746
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		746
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			746
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	746
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		747
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		747
	<b>Name</b> <Nm>	[0..1]	Text		747
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			747
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		747
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		747
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		748
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			748
	<b>Rate</b> <Rate>	[1..1]	Rate		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		749

**23.4.2.3.2.17.13.1 AcceptedByCardholder <AcptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**23.4.2.3.2.17.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		744
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			745
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	745
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		745
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		745
	<b>Name</b> <Nm>	[0..1]	Text		745
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		745
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		746
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		746
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		746
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		746
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			746
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	746
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		747
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		747
	<b>Name</b> <Nm>	[0..1]	Text		747
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]			747
	<b>ActualAmount</b> <ActlAmt>	[0..1]	Amount		747
	<b>MinimumAmount</b> <MinAmt>	[0..1]	Amount		747
	<b>MaximumAmount</b> <MaxAmt>	[0..1]	Amount		748
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			748
	<b>Rate</b> <Rate>	[1..1]	Rate		748
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		748
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..*]	±		749

#### 23.4.2.3.2.17.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**23.4.2.3.2.17.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[1..1]	CodeSet	C1	745
	<b>NumericCode</b> <NmrcCd>	[1..1]	Text		745
	<b>Decimal</b> <Dcml>	[1..1]	Quantity		745
	<b>Name</b> <Nm>	[0..1]	Text		745

**23.4.2.3.2.17.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**23.4.2.3.2.17.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**23.4.2.3.2.17.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**23.4.2.3.2.17.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**23.4.2.3.2.17.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 23.4.2.3.2.17.13.2.4 ExchangeRate <XchgRate>

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### 23.4.2.3.2.17.13.2.5 InvertedExchangeRate <NvrtdXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### 23.4.2.3.2.17.13.2.6 QuotationDate <QtnDt>

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### 23.4.2.3.2.17.13.2.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### 23.4.2.3.2.17.13.2.8 SourceCurrency <SrcCcy>

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	746
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		747
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		747
	<b>Name</b> <Nm>	[0..1]	Text		747

##### 23.4.2.3.2.17.13.2.8.1 AlphaCode <AlphaCd>

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**23.4.2.3.2.17.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**23.4.2.3.2.17.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**23.4.2.3.2.17.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**23.4.2.3.2.17.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActualAmount &lt;ActlAmt&gt;</b>	[0..1]	Amount		747
	<b>MinimumAmount &lt;MinAmt&gt;</b>	[0..1]	Amount		747
	<b>MaximumAmount &lt;MaxAmt&gt;</b>	[0..1]	Amount		748

**23.4.2.3.2.17.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**23.4.2.3.2.17.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**23.4.2.3.2.17.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**23.4.2.3.2.17.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		748
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		748

**23.4.2.3.2.17.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**23.4.2.3.2.17.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**23.4.2.3.2.17.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Rate &lt;Rate&gt;</b>	[1..1]	Rate		748
	<b>AdditionalInformation &lt;AddtlInf&gt;</b>	[0..1]	Text		748

**23.4.2.3.2.17.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**23.4.2.3.2.17.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.



*Datatype:* "Max350Text" on page 1398

#### 23.4.2.3.2.17.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 23.4.2.3.2.17.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 23.4.2.3.2.17.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "[AggregationTransaction3](#)" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 23.4.2.3.2.17.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "[Max10Text](#)" on page 1396

#### 23.4.2.3.2.17.17 SaleItem <Saleitm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 23.4.2.3.2.17.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 23.4.2.3.2.17.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 23.4.2.3.2.17.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification</b> <Id>	[1..1]	Text		753
	<b>Value</b> <Val>	[0..1]	Binary		753
	<b>ProtectedValue</b> <PrctcdVal>	[0..1]	±		753
	<b>Type</b> <Tp>	[0..1]	Text		753

#### 23.4.2.3.2.17.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 23.4.2.3.2.17.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 23.4.2.3.2.17.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 23.4.2.3.2.17.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 23.4.2.3.2.17.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**23.4.2.3.2.18 MerchantReferenceData <MrchntRefData>***Presence:* [0..1]*Definition:* Merchant information that must be returned unchanged in the response.*Datatype:* "Max70Text" on page 1400**23.4.2.3.2.19 AccountFrom <AcctFr>***Presence:* [0..1]*Definition:* Information relevant to the account where the money is taken from.**AccountFrom <AcctFr>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		754
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		755
	<b>AccountName</b> <AcctNm>	[0..1]	Text		756
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			756
	<b>Name</b> <Nm>	[1..1]	Text		756
	<b>Address</b> <Adr>	[1..1]	±		756
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	757
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			757
{Or	<b>Card</b> <Card>	[1..1]	Text		758
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		758
Or	<b>EMail</b> <EMail>	[1..1]	Text		758
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	758
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		759
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		759
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		759
Or}	<b>Other</b> <Othr>	[1..1]	Text		759
	<b>Servicer</b> <Svcr>	[0..1]			759
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	759
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		760

**23.4.2.3.2.19.1 SelectionMethod <SelctnMtd>***Presence:* [0..1]*Definition:* Method used by the cardholder and the terminal for the choice of the account.*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.
TPSL	TypeSelected	Type of account selected in a list.

#### 23.4.2.3.2.19.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.

CodeName	Name	Definition
FLTC	FleetCard	Fleet card account.

#### 23.4.2.3.2.19.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

Usage: The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 23.4.2.3.2.19.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		756
	<b>Address</b> <Adr>	[1..1]	±		756

##### 23.4.2.3.2.19.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 23.4.2.3.2.19.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.



**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

#### 23.4.2.3.2.19.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 23.4.2.3.2.19.6 AccountIdentifier <Acctldr>

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>Card</b> <Card>	[1..1]	Text		758
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		758
Or	<b>EEmail</b> <EMail>	[1..1]	Text		758
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	758
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		759
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		759
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		759
Or}	<b>Other</b> <Othr>	[1..1]	Text		759

#### 23.4.2.3.2.19.6.1 Card <Card>

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

#### 23.4.2.3.2.19.6.2 MSISDN <MSISDN>

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

#### 23.4.2.3.2.19.6.3 EMail <EMail>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

#### 23.4.2.3.2.19.6.4 IBAN <IBAN>

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

**Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

**23.4.2.3.2.19.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

**23.4.2.3.2.19.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

**23.4.2.3.2.19.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

**23.4.2.3.2.19.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

**23.4.2.3.2.19.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	759
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		760

**23.4.2.3.2.19.7.1 AnyBIC <AnyBIC>**

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 23.4.2.3.2.19.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "[GenericIdentification1](#)" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 23.4.2.3.2.20 AccountTo <AcctTo>

*Presence:* [0..1]

*Definition:* Information relevant to the account where the money is put.

**AccountTo <AcctTo>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		761
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		762
	<b>AccountName</b> <AcctNm>	[0..1]	Text		762
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			763
	<b>Name</b> <Nm>	[1..1]	Text		763
	<b>Address</b> <Adr>	[1..1]	±		763
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	763
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			764
{Or	<b>Card</b> <Card>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or	<b>EMail</b> <EMail>	[1..1]	Text		764
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	764
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		765
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		765
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		765
Or}	<b>Other</b> <Othr>	[1..1]	Text		765
	<b>Servicer</b> <Svcr>	[0..1]			765
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	766
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		766

#### 23.4.2.3.2.20.1 SelectionMethod <SelctnMtd>

*Presence:* [0..1]

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.

CodeName	Name	Definition
TPSL	TypeSelected	Type of account selected in a list.

#### 23.4.2.3.2.20.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 23.4.2.3.2.20.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

*Usage:* The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 23.4.2.3.2.20.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		763
	<b>Address</b> <Adr>	[1..1]	±		763

##### 23.4.2.3.2.20.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 23.4.2.3.2.20.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

##### 23.4.2.3.2.20.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**23.4.2.3.2.20.6 AccountIdentifier <AcctIdr>**

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>Card</b> <Card>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or	<b>EEmail</b> <EEmail>	[1..1]	Text		764
Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	764
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		765
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		765
Or	<b>Domestic</b> <Dmst>	[1..1]	Text		765
Or}	<b>Other</b> <Othr>	[1..1]	Text		765

**23.4.2.3.2.20.6.1 Card <Card>**

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

**23.4.2.3.2.20.6.2 MSISDN <MSISDN>**

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

**23.4.2.3.2.20.6.3 EEmail <EEmail>**

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

**23.4.2.3.2.20.6.4 IBAN <IBAN>**

*Presence:* [1..1]



*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### **Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### **23.4.2.3.2.20.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

#### **23.4.2.3.2.20.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

#### **23.4.2.3.2.20.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

#### **23.4.2.3.2.20.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

#### **23.4.2.3.2.20.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	766
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		766

#### 23.4.2.3.2.20.7.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 23.4.2.3.2.20.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "GenericIdentification1" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 23.4.2.3.2.21 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* "Max70Text" on page 1400

#### 23.4.2.4 SupplementaryData <SplmtryData>

*Presence:* [0..\*]

*Definition:* Additional information incorporated as an extension to the message.

*Impacted by:* C5 "SupplementaryDataRule"

**SupplementaryData <SplmtryData>** contains the following elements (see "[SupplementaryData1](#)" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

#### 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.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## **24       caaa.023.001.02**

# **AcceptorNonFinancialResponseV02**

### **24.1    MessageDefinition Functionality**

The AcceptorNonFinancialResponse message is sent by the Acquirer (or its Agent) to the POI to provide additional information.

#### Outline

The AcceptorNonFinancialResponseV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
  - Non Financial response message management information.
- B. NonFinancialResponse
  - Information related to the non financial response.
- C. SecurityTrailer
  - Trailer of the message containing a MAC.

## 24.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrNonFinRspn>	[1..1]			
	Header <Hdr>	[1..1]			770
	MessageFunction <MsgFctn>	[1..1]	CodeSet		770
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		772
	ExchangeIdentification <XchgId>	[1..1]	Quantity		772
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		772
	CreationDateTime <CreDtTm>	[1..1]	DateTime		772
	InitiatingParty <InitgPty>	[1..1]	±		772
	RecipientParty <RcptPty>	[0..1]	±		773
	Traceability <Tracblt>	[0..*]	±		773
	NonFinancialResponse <NonFinRspn>	[1..1]			774
	Environment <Envt>	[1..1]	±		774
	ResponseContent <RspnCnnt>	[1..*]			780
	NonFinancialRequestType <NonFinReqTp>	[1..1]	CodeSet		780
	AcquirerSelected <AcqrrSelctd>	[0..1]	±		781
	RiskManagementResult <RskMgmtRslt>	[0..1]	CodeSet		781
	Action <Actn>	[0..*]			781
	ActionType <ActnTp>	[1..1]	CodeSet		781
	MessageToPresent <MsgToPres>	[0..1]	±		782
	Response <Rspn>	[1..1]	±		783
	Response <Rspn>	[1..1]	±		783
	SupplementaryData <SplmtryData>	[0..*]	±	C3	784
	SecurityTrailer <SctyTrlr>	[0..1]	±		784

## 24.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**C2 Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

**C3 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.

**C4 ValidationByTable**

Must be a valid terrestrial language.

## 24.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 24.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Non Financial response message management information.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		770
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		772
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		772
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Text		772
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		772
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		772
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		773
	<b>Traceability</b> <Tracblt>	[0..*]	±		773

#### 24.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.

CodeName	Name	Definition
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.

CodeName	Name	Definition
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 24.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 24.4.1.3 Exchangeldentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 24.4.1.4 ReTransmissionCounter <ReTrnsmssnCnt>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 24.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 24.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.



**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 24.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

#### 24.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 24.4.2 NonFinancialResponse <NonFinRspn>

*Presence:* [1..1]

*Definition:* Information related to the non financial response.

**NonFinancialResponse <NonFinRspn>** contains the following **NonFinancialResponseComponent2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		774
	<b>ResponseContent</b> <RspnCntt>	[1..*]			780
	<b>NonFinancialRequestType</b> <NonFinReqTp>	[1..1]	CodeSet		780
	<b>AcquirerSelected</b> <AcqrrSelctd>	[0..1]	±		781
	<b>RiskManagementResult</b> <RskMgmtRslt>	[0..1]	CodeSet		781
	<b>Action</b> <Actn>	[0..*]			781
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		781
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		782
	<b>Response</b> <Rspn>	[1..1]	±		783
	<b>Response</b> <Rspn>	[1..1]	±		783
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C3	784

### 24.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 24.4.2.2 ResponseContent <RspnCnnt>

*Presence:* [1..\*]

*Definition:* Response of the non financial request.

**ResponseContent <RspnCnnt>** contains the following **NonFinancialResponseContentComponent2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>NonFinancialRequestType</b> <NonFinReqTp>	[1..1]	CodeSet		780
	<b>AcquirerSelected</b> <AcqrrSelctd>	[0..1]	±		781
	<b>RiskManagementResult</b> <RskMgmtRslt>	[0..1]	CodeSet		781
	<b>Action</b> <Actn>	[0..*]			781
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		781
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		782
	<b>Response</b> <Rspn>	[1..1]	±		783

##### 24.4.2.2.1 NonFinancialRequestType <NonFinReqTp>

*Presence:* [1..1]

*Definition:* Type of non financial request that the Acquirer processed.

*Datatype:* "NonFinancialRequestType1Code" on page 1373

CodeName	Name	Definition
ACQR	AcquirerSelection	According to several parameters of a transaction, an Intermediary Agent helps an Acceptor to identify the more relevant Acquirer to process the transaction.
PARQ	ParRequest	The Intermediary Agent or Acquirer provides the PaymentAccountReference to use to process the transaction.



CodeName	Name	Definition
RISK	RiskManagement	The Intermediary Agent or Acquirer helps the Acceptor to assess the risk management of the transaction.
TOKN	TokenRequest	The Intermediary Agent or Acquirer provides the token to use to process the transaction.

#### 24.4.2.2.2 AcquirerSelected <AcqrrSelctd>

*Presence:* [0..1]

*Definition:* Identification of the most relevant Acquirer to process the transaction.

**AcquirerSelected <AcqrrSelctd>** contains the following elements (see "Acquirer10" on page 854 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		854
	ParametersVersion <ParamsVrsn>	[0..1]	Text		854

#### 24.4.2.2.3 RiskManagementResult <RskMgmtRslt>

*Presence:* [0..1]

*Definition:* Advice from the Acquirer (or its Agent) to the POI to manage risk.

*Datatype:* "NonFinancialResponseRisk1Code" on page 1373

CodeName	Name	Definition
DECL	Decline	A decline of the transaction is expected by the POI to manage risk.
NCHG	LocallyManaged	The POI is able to assess the risk by himself.
ONLN	RequestOnline	An authorisation is expected from the POI to manage risk.

#### 24.4.2.2.4 Action <Actn>

*Presence:* [0..\*]

*Definition:* Set of actions to be performed by the POI (Point Of Interaction) system.

**Action <Actn>** contains the following **Action12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		781
	<b>MessageToPresent</b> <MsgToPres>	[0..1]	±		782

##### 24.4.2.2.4.1 ActionType <ActnTp>

*Presence:* [1..1]

*Definition:* Type of action to be performed by the POI (Point Of Interaction) system.

*Datatype: "ActionType12Code" on page 1340*

CodeName	Name	Definition
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
NOVR	ForbidOverride	Payment application cannot propose to the merchant an override of the payment transaction.
RQID	IdentificationRequired	Additional identification required (passport, ID card, etc.).
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
PRNT	PrintMessage	Print a message.
RFRL	Referral	Referral has to be performed.
RQDT	RequestData	Request additional data through a displayed text and request confirmation by an attendant.
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FLFW	FallForward	Fall-forward from contactless to chip card transaction required.
PINQ	PINRequest	Request Cardholder Authentication through PIN insertion.
CDCV	ConsumerDeviceCardholderVerificationMethod	Request Cardholder Authentication according to the ConsumerDeviceCardholderVerification Method.
CHDA	CardholderAuthentication	Additional authentication of cardholder required.
STAR	StopAllRecurring	Recurring transactions is no more allowed for this card and for all merchants.
STOR	StopOneRecurring	Cardholder has revoked this recurring transaction for this merchant.

**24.4.2.2.4.2 MessageToPresent <MsgToPres>***Presence:* [0..1]*Definition:* Message to be displayed to the cardholder or the cashier.

**MessageToPresent <MsgToPres>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 24.4.2.2.5 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the processing of the request.

**Response <Rspn>** contains the following elements (see "ResponseType11" on page 1244 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1244
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1245
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1246

#### 24.4.2.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the processing of the request.

**Response <Rspn>** contains the following elements (see "ResponseType11" on page 1244 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1244
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1245
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1246

#### 24.4.2.4 SupplementaryData <SplmtryData>

*Presence:* [0..\*]

*Definition:* Additional information incorporated as an extension to the message.

*Impacted by:* C3 "SupplementaryDataRule"

**SupplementaryData <SplmtryData>** contains the following elements (see "SupplementaryData1" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

#### 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.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

# **25      caaa.024.001.02**

## **AcceptorTransactionLogReportRequestV02**

### **25.1    MessageDefinition Functionality**

The AcceptorTransactionLogReportRequest message is sent by an Acceptor to an Acquirer or its IntermediaryAgent to request a report service.

#### Outline

The AcceptorTransactionLogReportRequestV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
  - Set of characteristics related to the transfer of the request.
- B. ReportRequest
  - Information related to the report request.
- C. SecurityTrailer
  - Trailer of the message containing a MAC or a digital signature.

## 25.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrTxLgRptReq>	[1..1]			
	Header <Hdr>	[1..1]			787
	MessageFunction <MsgFctn>	[1..1]	CodeSet		788
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		789
	ExchangeIdentification <XchgId>	[1..1]	Quantity		789
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		790
	CreationDateTime <CreDtTm>	[1..1]	DateTime		790
	InitiatingParty <InitgPty>	[1..1]	±		790
	RecipientParty <RcptPty>	[0..1]	±		790
	Traceability <Tracblt>	[0..*]	±		791
	ReportRequest <RptReq>	[1..1]			791
	Environment <Envt>	[1..1]	±		792
	Context <Cntxt>	[1..1]	±		798
	ServiceContent <SvcCntt>	[1..1]	CodeSet		801
	ReportTransactionRequest <RptTxReq>	[0..1]			801
	SearchCriteria <SchCrit>	[1..*]			801
	SearchOr <SchOr>	[1..*]			802
	SearchAnd <SchAnd>	[1..*]			802
	Target <Trgt>	[1..1]	Text		802
	Operator <Oprtr>	[1..1]	CodeSet		802
	Value <Val>	[1..1]	Text		803
	SearchOutputOrder <SchOutptOrdr>	[0..1]			803
	CriteriaOrder <CritOrdr>	[1..*]			803
	Target <Trgt>	[1..1]	Text		803
	DescendingOrder <DscndgOrdr>	[0..1]	Indicator		803
	BlockStart <BlckStart>	[0..1]	Quantity		804
	BlockStop <BlckStop>	[0..1]	Quantity		804
	ReportGetTotalsRequest <RptGetTtlsReq>	[0..1]			804
	TotalDetails <TtlDtls>	[0..1]	CodeSet		804
	TotalFilter <TtlFltr>	[0..1]			805

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIdentification</b> <POId>	[0..1]	Text		805
	<b>SaleIdentification</b> <SaleId>	[0..1]	Text		805
	<b>CashierIdentification</b> <CshrlId>	[0..1]	Text		805
	<b>ShiftNumber</b> <ShftNb>	[0..1]	Text		805
	<b>TotalsGroupIdentification</b> <TtlsGrpId>	[0..1]	Text		805
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	806
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		806

## 25.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

### C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

### C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

### C5 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.

### C6 ValidationByTable

Must be a valid terrestrial language.

## 25.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 25.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Set of characteristics related to the transfer of the request.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		788
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		789
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		789
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Text		790
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		790
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		790
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		790
	<b>Traceability</b> <Tracblt>	[0..*]	±		791

### 25.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.



CodeName	Name	Definition
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 25.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 25.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 25.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 25.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 25.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification176" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 25.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

### 25.4.1.8 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 "[Traceability8](#)" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 25.4.2 ReportRequest <RptReq>

*Presence:* [1..1]

*Definition:* Information related to the report request.

**ReportRequest <RptReq>** contains the following **ReportRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		792
	<b>Context</b> <Cntxt>	[1..1]	±		798
	<b>ServiceContent</b> <SvcCntt>	[1..1]	CodeSet		801
	<b>ReportTransactionRequest</b> <RptTxReq>	[0..1]			801
	<b>SearchCriteria</b> <SchCrit>	[1..*]			801
	<b>SearchOr</b> <SchOr>	[1..*]			802
	<b>SearchAnd</b> <SchAnd>	[1..*]			802
	<b>Target</b> <Trgt>	[1..1]	Text		802
	<b>Operator</b> <Oprtr>	[1..1]	CodeSet		802
	<b>Value</b> <Val>	[1..1]	Text		803
	<b>SearchOutputOrder</b> <SchOutputOrdr>	[0..1]			803
	<b>CriteriaOrder</b> <CritOrdr>	[1..*]			803
	<b>Target</b> <Trgt>	[1..1]	Text		803
	<b>DescendingOrder</b> <DscndgOrdr>	[0..1]	Indicator		803
	<b>BlockStart</b> <BlickStart>	[0..1]	Quantity		804
	<b>BlockStop</b> <BlickStop>	[0..1]	Quantity		804
	<b>ReportGetTotalsRequest</b> <RptGetTtlsReq>	[0..1]			804
	<b>TotalDetails</b> <TtlDtls>	[0..1]	CodeSet		804
	<b>TotalFilter</b> <TtlFiltr>	[0..1]			805
	<b>POIIdentification</b> <POIID>	[0..1]	Text		805
	<b>SaleIdentification</b> <SaleId>	[0..1]	Text		805
	<b>CashierIdentification</b> <CshrlId>	[0..1]	Text		805
	<b>ShiftNumber</b> <ShftNb>	[0..1]	Text		805
	<b>TotalsGroupIdentification</b> <TtlsGrpId>	[0..1]	Text		805
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	806

### 25.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

### 25.4.2.2 Context <Cntxt>

*Presence:* [1..1]

*Definition:* Context in which the transaction is performed (payment and sale).

**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

### 25.4.2.3 ServiceContent <SvcCntt>

*Presence:* [1..1]

*Definition:* Define the type of service requested.

*Datatype:* "RetailerService6Code" on page 1384

CodeName	Name	Definition
RPTQ	AdministrativeReportTransactionRequest	The Sale System requests to the POI System a report on a list of transactions.
RPAQ	AdministrativeReportGetTotalsRequest	The Sale System requests to the POI System a report on the totals figures of the POI system.

### 25.4.2.4 ReportTransactionRequest <RptTxReq>

*Presence:* [0..1]

*Definition:* Content of the Transaction Report Request message.

**ReportTransactionRequest <RptTxReq>** contains the following **ReportTransactionRequest1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SearchCriteria</b> <SchCrit>	[1..*]			801
	<b>SearchOr</b> <SchOr>	[1..*]			802
	<b>SearchAnd</b> <SchAnd>	[1..*]			802
	<b>Target</b> <Trgt>	[1..1]	Text		802
	<b>Operator</b> <Oprr>	[1..1]	CodeSet		802
	<b>Value</b> <Val>	[1..1]	Text		803
	<b>SearchOutputOrder</b> <SchOutptOrdr>	[0..1]			803
	<b>CriteriaOrder</b> <CritOrdr>	[1..*]			803
	<b>Target</b> <Trgt>	[1..1]	Text		803
	<b>DescendingOrder</b> <DscndgOrdr>	[0..1]	Indicator		803
	<b>BlockStart</b> <BlckStart>	[0..1]	Quantity		804
	<b>BlockStop</b> <BlckStop>	[0..1]	Quantity		804

#### 25.4.2.4.1 SearchCriteria <SchCrit>

*Presence:* [1..\*]

*Definition:* Eligibility parameters for a transaction to be part of transaction report.

**SearchCriteria <SchCrit>** contains the following **SearchCriteria1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SearchOr</b> <SchOr>	[1..*]			802
	<b>SearchAnd</b> <SchAnd>	[1..*]			802
	<b>Target</b> <Trgt>	[1..1]	Text		802
	<b>Operator</b> <Oprtr>	[1..1]	CodeSet		802
	<b>Value</b> <Val>	[1..1]	Text		803

#### 25.4.2.4.1.1 SearchOr <SchOr>

*Presence:* [1..\*]

*Definition:* List of criteria following the OR logic.

**SearchOr <SchOr>** contains the following **SearchOr1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SearchAnd</b> <SchAnd>	[1..*]			802
	<b>Target</b> <Trgt>	[1..1]	Text		802
	<b>Operator</b> <Oprtr>	[1..1]	CodeSet		802
	<b>Value</b> <Val>	[1..1]	Text		803

#### 25.4.2.4.1.1.1 SearchAnd <SchAnd>

*Presence:* [1..\*]

*Definition:* List of criteria following the AND logic.

**SearchAnd <SchAnd>** contains the following **SearchAnd1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Target</b> <Trgt>	[1..1]	Text		802
	<b>Operator</b> <Oprtr>	[1..1]	CodeSet		802
	<b>Value</b> <Val>	[1..1]	Text		803

#### 25.4.2.4.1.1.1.1 Target <Trgt>

*Presence:* [1..1]

*Definition:* Identifier of target element.

*Datatype:* "Max500Text" on page 1400

#### 25.4.2.4.1.1.1.2 Operator <Oprtr>

*Presence:* [1..1]

*Definition:* Comparison operator used to evaluate matching transactions vs criteria.

*Datatype:* "Operator1Code" on page 1374

CodeName	Name	Definition
SMAL	SmallerThan	Smaller than.
SMEQ	SmallerOrEqualTo	Smaller or equal to.
GREA	GreaterThan	Greater than.
GREQ	GreaterOrEqualTo	Greater or equal to.
EQAL	EqualTo	Equal to.

#### 25.4.2.4.1.1.3 Value <Val>

*Presence:* [1..1]

*Definition:* Reference value to be used when evaluating against the target element value using the criteria operator.

*Datatype:* "Max500Text" on page 1400

#### 25.4.2.4.2 SearchOutputOrder <SchOutptOrdr>

*Presence:* [0..1]

*Definition:* Indicates the ordering in which the resulting transaction reports should be returned.

**SearchOutputOrder <SchOutptOrdr>** contains the following **SearchOutputOrder1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CriteriaOrder &lt;CritOrdr&gt;</b>	[1..*]			803
	<b>Target &lt;Trgt&gt;</b>	[1..1]	Text		803

##### 25.4.2.4.2.1 CriteriaOrder <CritOrdr>

*Presence:* [1..\*]

*Definition:* Ordering criteria for the transaction report.

**CriteriaOrder <CritOrdr>** contains the following **CriteriaOrder1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Target &lt;Trgt&gt;</b>	[1..1]	Text		803

##### 25.4.2.4.2.1.1 Target <Trgt>

*Presence:* [1..1]

*Definition:* Identifier of target element.

*Datatype:* "Max500Text" on page 1400

#### 25.4.2.4.3 DescendingOrder <DscndgOrdr>

*Presence:* [0..1]

*Definition:* Indicates the order used for the criteria.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 25.4.2.4.4 BlockStart <BlckStart>

*Presence:* [0..1]

*Definition:* Index of the first transaction matching the search criteria.

*Datatype:* "PositiveNumber" on page 1395

#### 25.4.2.4.5 BlockStop <BlckStop>

*Presence:* [0..1]

*Definition:* Index of the last transaction matching the search criteria.

*Datatype:* "PositiveNumber" on page 1395

#### 25.4.2.5 ReportGetTotalsRequest <RptGetTtlsReq>

*Presence:* [0..1]

*Definition:* Content of the Get Totals Request message.

**ReportGetTotalsRequest <RptGetTtlsReq>** contains the following **ReportGetTotalsRequest1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TotalDetails</b> <TtlDtls>	[0..1]	CodeSet		804
	<b>TotalFilter</b> <TtlFltr>	[0..1]			805
	<b>POIIdentification</b> <POIID>	[0..1]	Text		805
	<b>SaleIdentification</b> <SaleId>	[0..1]	Text		805
	<b>CashierIdentification</b> <CshrlId>	[0..1]	Text		805
	<b>ShiftNumber</b> <ShftNb>	[0..1]	Text		805
	<b>TotalsGroupIdentification</b> <TtlsGrpId>	[0..1]	Text		805

#### 25.4.2.5.1 TotalDetails <TtlDtls>

*Presence:* [0..1]

*Definition:* Indicates the hierarchical structure of the report.

*Datatype:* "TotalDetails1Code" on page 1387

CodeName	Name	Definition
OPID	PerCashierIdentification	Give the totals result per Operator Identification value.
PIID	PerPOIIdentification	Give the totals result per POI Identification value.
TGID	PerTotalsGroup	Give the totals result per Totals Group Identification value.



CodeName	Name	Definition
SNID	PerShiftNumber	Give the totals result per Shift Number Identification value.
SAID	PerSaleIdentification	Give the totals result per Sale Identification value.

#### 25.4.2.5.2 TotalFilter <TtIFltr>

*Presence:* [0..1]

*Definition:* Filter to compute the totals.

**TotalFilter <TtIFltr>** contains the following **TotalFilter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIIdentification</b> <POIId>	[0..1]	Text		805
	<b>SaleIdentification</b> <SaleId>	[0..1]	Text		805
	<b>CashierIdentification</b> <CshrlId>	[0..1]	Text		805
	<b>ShiftNumber</b> <ShftNb>	[0..1]	Text		805
	<b>TotalsGroupIdentification</b> <TtlsGrpId>	[0..1]	Text		805

##### 25.4.2.5.2.1 POIIdentification <POIId>

*Presence:* [0..1]

*Definition:* Identifier of the POI system performing a reconciliation.

*Datatype:* "Max35Text" on page 1399

##### 25.4.2.5.2.2 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 1399

##### 25.4.2.5.2.3 CashierIdentification <CshrlId>

*Presence:* [0..1]

*Definition:* Identification of the cashier who carried out the transaction.

*Datatype:* "Max35Text" on page 1399

##### 25.4.2.5.2.4 ShiftNumber <ShftNb>

*Presence:* [0..1]

*Definition:* Identifies the shift of the cashier.

*Datatype:* "Max35Text" on page 1399

##### 25.4.2.5.2.5 TotalsGroupIdentification <TtlsGrpId>

*Presence:* [0..1]

*Definition:* Identification of a group of transaction on a POI Terminal, having the same Sale features.

*Datatype:* "Max35Text" on page 1399

### 25.4.2.6 SupplementaryData <SplmtryData>

*Presence:* [0..\*]

*Definition:* Additional information incorporated as an extension to the message.

*Impacted by:* C5 "SupplementaryDataRule"

**SupplementaryData <SplmtryData>** contains the following elements (see "SupplementaryData1" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

#### 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 or a digital signature.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "ContentInformationType31" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## 26      caaa.025.001.02           AcceptorTransactionLogReportResponseV02

### 26.1    MessageDefinition Functionality

This AcceptorTransactionLogReportResponse message is sent by an Acquirer or its IntermediaryAgent to provide the report previously expected by a POI.

#### Outline

The AcceptorTransactionLogReportResponseV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header  
Set of characteristics related to the transfer of the request.
- B. ReportResponse  
Information related to the response of a report request.
- C. SecurityTrailer  
Trailer of the message containing a MAC or a digital signature.

## 26.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AccptrTxLgRptRspn>	[1..1]			
	Header <Hdr>	[1..1]			811
	MessageFunction <MsgFctn>	[1..1]	CodeSet		811
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		813
	ExchangeIdentification <XchgId>	[1..1]	Quantity		813
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		813
	CreationDateTime <CreDtTm>	[1..1]	DateTime		813
	InitiatingParty <InitgPty>	[1..1]	±		813
	RecipientParty <RcptPty>	[0..1]	±		814
	Traceability <Tracblt>	[0..*]	±		814
	ReportResponse <RptRspn>	[1..1]			815
	Environment <Envt>	[1..1]	±		818
	Context <Cntxt>	[1..1]	±		824
	ServiceContent <SvcCntt>	[1..1]	CodeSet		827
	ReportTransactionResponse <RptTxRspn>	[0..1]			827
	ReportFullSize <RptFullSz>	[1..1]	Quantity		829
	BlockStart <BlckStart>	[1..1]	Quantity		829
	BlockStop <BlckStop>	[1..1]	Quantity		829
	TransactionReport <TxRpt>	[0..*]			829
	Response <Rspn>	[1..1]	±		830
	PaymentResponse <PmtRspn>	[0..1]			831
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		832
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		833
	POITransactionIdentification <POITxId>	[1..1]	±		833
	POIReconciliationIdentification <POIRcnccltnId>	[0..1]	Text		833
	IssuerReferenceData <IssrRefData>	[0..1]	Text		833
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		833
	PaymentReceipt <PmtRct>	[0..*]	±		836
	LoyaltyResult <LltyRslt>	[0..*]			836
	Account <Acct>	[1..1]	±		837

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[0..1]			838
	<b>Unit</b> <Unit>	[0..1]	CodeSet		838
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	838
	<b>Amount</b> <Amt>	[1..1]	Amount		838
	<b>ServerData</b> <SvrData>	[0..1]			838
	<b>LoyaltyServerIdentification</b> <LtySvrId>	[0..1]	Text		839
	<b>ApprovalCode</b> <ApprvlCd>	[0..1]	Text		839
	<b>LoyaltyTransactionIdentification</b> <LtyTxId>	[0..1]	±		839
	<b>HostReconciliationIdentification</b> <HstRcncltnId>	[0..1]	Text		839
	<b>Rebates</b> <Rbts>	[0..1]			839
	<b>TotalRebate</b> <TtlRbt>	[0..1]	Amount		840
	<b>RebateLabel</b> <RbtLbl>	[0..1]	Text		840
	<b>SaleItemRebate</b> <SaleItmRbt>	[0..*]			840
	<b>SaleItem</b> <SaleItm>	[1..1]	±		840
	<b>RebateLabel</b> <RbtLbl>	[0..1]	Text		841
	<b>CustomerOrder</b> <CstmrOrd>	[0..*]	±		841
	<b>ReportGetTotalsResponse</b> <RptGetTtlsRspn>	[0..1]			842
	<b>POIReconciliationIdentification</b> <POIRcncltnId>	[1..1]	Text		844
	<b>TransactionTotalsSet</b> <TxTtlsSet>	[0..*]			844
	<b>PaymentInstrumentType</b> <PmtInstrmTp>	[1..1]	CodeSet		846
	<b>AcquirerIdentification</b> <AcqrrId>	[0..1]	Text		846
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		846
	<b>SaleReconciliationIdentification</b> <SaleRcncltnId>	[0..1]	Text		846
	<b>Brand</b> <Brnd>	[0..1]	Text		846
	<b>POIIdentification</b> <POIID>	[0..1]	Text		846
	<b>SaleIdentification</b> <SaleId>	[0..1]	Text		847
	<b>CashierIdentification</b> <CshrlId>	[0..1]	Text		847
	<b>ShiftNumber</b> <ShftNb>	[0..1]	Text		847
	<b>SponsoredMerchant</b> <SpnsrdMrchnt>	[0..*]			847
	<b>CommonName</b> <CmonNm>	[1..1]	Text		847
	<b>Address</b> <Adr>	[0..1]	Text		847

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CountryCode</b> <CtryCd>	[1..1]	CodeSet		847
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		848
	<b>RegisteredIdentifier</b> <Regldr>	[1..1]	Text		848
	<b>TransactionTotal</b> <TxTtl>	[1..1]			848
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		848
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		848
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	848
	<b>Type</b> <Tp>	[1..1]	CodeSet		849
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		849
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		849
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		849
	<b>LoyaltyTransactionTotal</b> <LltyTxTtl>	[0..*]			850
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		850
	<b>LoyaltyUnit</b> <LltyUnit>	[0..1]	CodeSet		850
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		851
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	851
	<b>TransactionType</b> <TxTp>	[1..1]	CodeSet		851
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		851
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		852
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		852
	<b>Response</b> <Rspn>	[1..1]	±		852
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	852
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]	±		853

## 26.3 Constraints

### C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

**C3 Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

**C4 IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

**C5 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.

**C6 ValidationByTable**

Must be a valid terrestrial language.

**C7 ValidationByTable**

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

## 26.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

### 26.4.1 Header <Hdr>

*Presence:* [1..1]

*Definition:* Set of characteristics related to the transfer of the request.

**Header <Hdr>** contains the following **Header59** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageFunction</b> <MsgFctn>	[1..1]	CodeSet		811
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		813
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Quantity		813
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Text		813
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		813
	<b>InitiatingParty</b> <InitgPty>	[1..1]	±		813
	<b>RecipientParty</b> <RcptPty>	[0..1]	±		814
	<b>Traceability</b> <Tracblt>	[0..*]	±		814

#### 26.4.1.1 MessageFunction <MsgFctn>

*Presence:* [1..1]

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

*Datatype:* "MessageFunction42Code" on page 1371

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.



CodeName	Name	Definition
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

#### 26.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the acquirer protocol specifications.

*Datatype:* "Max6Text" on page 1400

#### 26.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Number" on page 1395

#### 26.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

*Presence:* [0..1]

*Definition:* Number of retransmissions of the message.

*Datatype:* "Max3NumericText" on page 1399

#### 26.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

*Definition:* Date and time at which the message was created.

*Datatype:* "ISODateTime" on page 1392

#### 26.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

*Definition:* Unique identification of the partner that has initiated the exchange.

**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 26.4.1.7 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 "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

#### 26.4.1.8 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 "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

## 26.4.2 ReportResponse <RptRspn>

*Presence:* [1..1]

*Definition:* Information related to the response of a report request.

**ReportResponse <RptRspn>** contains the following **ReportResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]	±		818
	<b>Context</b> <Cntxt>	[1..1]	±		824
	<b>ServiceContent</b> <SvcCntt>	[1..1]	CodeSet		827
	<b>ReportTransactionResponse</b> <RptTxRspn>	[0..1]			827
	<b>ReportFullSize</b> <RptFullSz>	[1..1]	Quantity		829
	<b>BlockStart</b> <BlckStart>	[1..1]	Quantity		829
	<b>BlockStop</b> <BlckStop>	[1..1]	Quantity		829
	<b>TransactionReport</b> <TxRpt>	[0..*]			829
	<b>Response</b> <Rspn>	[1..1]	±		830
	<b>PaymentResponse</b> <PmtRspn>	[0..1]			831
	<b>SaleTransactionIdentification</b> <SaleTxId>	[1..1]	±		832
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		833
	<b>POITransactionIdentification</b> <POITxId>	[1..1]	±		833
	<b>POIReconciliationIdentification</b> <POIRcncltnId>	[0..1]	Text		833
	<b>IssuerReferenceData</b> <IssrRefData>	[0..1]	Text		833
	<b>RetailerPaymentResult</b> <RtlrPmtRslt>	[1..1]	±		833
	<b>PaymentReceipt</b> <PmtRct>	[0..*]	±		836
	<b>LoyaltyResult</b> <LltyRslt>	[0..*]			836
	<b>Account</b> <Acct>	[1..1]	±		837
	<b>Amount</b> <Amt>	[0..1]			838
	<b>Unit</b> <Unit>	[0..1]	CodeSet		838
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	838
	<b>Amount</b> <Amt>	[1..1]	Amount		838
	<b>ServerData</b> <SvrData>	[0..1]			838
	<b>LoyaltyServerIdentification</b> <LltySvrId>	[0..1]	Text		839
	<b>ApprovalCode</b> <ApprvICd>	[0..1]	Text		839
	<b>LoyaltyTransactionIdentification</b> <LltyTxId>	[0..1]	±		839
	<b>HostReconciliationIdentification</b> <HstRcncltnId>	[0..1]	Text		839
	<b>Rebates</b> <Rbts>	[0..1]			839
	<b>TotalRebate</b> <TtlRbt>	[0..1]	Amount		840
	<b>RebateLabel</b> <RbtLbl>	[0..1]	Text		840

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleItemRebate</b> <SaleItmRbt>	[0..*]			840
	<b>SaleItem</b> <SaleItm>	[1..1]	±		840
	<b>RebateLabel</b> <RbtLbl>	[0..1]	Text		841
	<b>CustomerOrder</b> <CstmrOrd>	[0..*]	±		841
	<b>ReportGetTotalsResponse</b> <RptGetTtlsRspn>	[0..1]			842
	<b>POIReconciliationIdentification</b> <POIRcncltnld>	[1..1]	Text		844
	<b>TransactionTotalsSet</b> <TxTtlsSet>	[0..*]			844
	<b>PaymentInstrumentType</b> <PmtlnstrmTp>	[1..1]	CodeSet		846
	<b>AcquirerIdentification</b> <Acqrrld>	[0..1]	Text		846
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		846
	<b>SaleReconciliationIdentification</b> <SaleRcncltnld>	[0..1]	Text		846
	<b>Brand</b> <Brnd>	[0..1]	Text		846
	<b>POIIdentification</b> <POIld>	[0..1]	Text		846
	<b>SaleIdentification</b> <Saleld>	[0..1]	Text		847
	<b>CashierIdentification</b> <Cshrld>	[0..1]	Text		847
	<b>ShiftNumber</b> <ShftNb>	[0..1]	Text		847
	<b>SponsoredMerchant</b> <SpnsrdMrchnt>	[0..*]			847
	<b>CommonName</b> <CmonNm>	[1..1]	Text		847
	<b>Address</b> <Adr>	[0..1]	Text		847
	<b>CountryCode</b> <CtryCd>	[1..1]	CodeSet		847
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		848
	<b>RegisteredIdentifier</b> <Regdldr>	[1..1]	Text		848
	<b>TransactionTotal</b> <TxTtl>	[1..1]			848
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		848
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		848
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	848
	<b>Type</b> <Tp>	[1..1]	CodeSet		849
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		849
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		849
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		849
	<b>LoyaltyTransactionTotal</b> <LltyTxTtl>	[0..*]			850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGrouplIdentification</b> <POIGrpId>	[0..1]	Text		850
	<b>LoyaltyUnit</b> <LtyUnit>	[0..1]	CodeSet		850
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		851
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	851
	<b>TransactionType</b> <TxTp>	[1..1]	CodeSet		851
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		851
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		852
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		852
	<b>Response</b> <Rspn>	[1..1]	±		852
	<b>SupplementaryData</b> <SplmtryData>	[0..*]	±	C5	852

#### 26.4.2.1 Environment <Envt>

*Presence:* [1..1]

*Definition:* Environment of the transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LtyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 26.4.2.2 Context <Cntxt>

*Presence:* [1..1]

*Definition:* Context in which the transaction is performed (payment and sale).

**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

### 26.4.2.3 ServiceContent <SvcCntt>

*Presence:* [1..1]

*Definition:* Define the type of service requested.

*Datatype:* "RetailerService7Code" on page 1384

CodeName	Name	Definition
RPTP	AdministrativeReportTransactionResponse	The POI System responds to a transaction report request.
RPAP	AdministrativeReportGetTotalsResponse	The POI System responds to a totals figures request.

### 26.4.2.4 ReportTransactionResponse <RptTxRspn>

*Presence:* [0..1]

*Definition:* Content of the Transaction Report Response message.

**ReportTransactionResponse <RptTxRspn>** contains the following **ReportTransactionResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ReportFullSize</b> <RptFullSz>	[1..1]	Quantity		829
	<b>BlockStart</b> <BlckStart>	[1..1]	Quantity		829
	<b>BlockStop</b> <BlckStop>	[1..1]	Quantity		829
	<b>TransactionReport</b> <TxRpt>	[0..*]			829
	<b>Response</b> <Rspn>	[1..1]	±		830
	<b>PaymentResponse</b> <PmtRspn>	[0..1]			831
	<b>SaleTransactionIdentification</b> <SaleTxId>	[1..1]	±		832
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		833
	<b>POITransactionIdentification</b> <POITxId>	[1..1]	±		833
	<b>POIReconciliationIdentification</b> <POIRcncltnId>	[0..1]	Text		833
	<b>IssuerReferenceData</b> <IssrRefData>	[0..1]	Text		833
	<b>RetailerPaymentResult</b> <RtlrPmtRslt>	[1..1]	±		833
	<b>PaymentReceipt</b> <PmtRct>	[0..*]	±		836
	<b>LoyaltyResult</b> <LltyRslt>	[0..*]			836
	<b>Account</b> <Acct>	[1..1]	±		837
	<b>Amount</b> <Amt>	[0..1]			838
	<b>Unit</b> <Unit>	[0..1]	CodeSet		838
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	838
	<b>Amount</b> <Amt>	[1..1]	Amount		838
	<b>ServerData</b> <SvrData>	[0..1]			838
	<b>LoyaltyServerIdentification</b> <LltySvrId>	[0..1]	Text		839
	<b>ApprovalCode</b> <ApprvlCd>	[0..1]	Text		839
	<b>LoyaltyTransactionIdentification</b> <LltyTxId>	[0..1]	±		839
	<b>HostReconciliationIdentification</b> <HstRcncltnId>	[0..1]	Text		839
	<b>Rebates</b> <Rbts>	[0..1]			839
	<b>TotalRebate</b> <TtlRbt>	[0..1]	Amount		840
	<b>RebateLabel</b> <RbtLabl>	[0..1]	Text		840
	<b>SaleItemRebate</b> <SaleitmRbt>	[0..*]			840
	<b>SaleItem</b> <Saleitm>	[1..1]	±		840
	<b>RebateLabel</b> <RbtLabl>	[0..1]	Text		841



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CustomerOrder</b> <CstmrOrd>	[0..*]	±		841

**26.4.2.4.1 ReportFullSize <RptFullSz>***Presence:* [1..1]*Definition:* The total number of transactions matching the search criteria.*Datatype:* "PositiveNumber" on page 1395**26.4.2.4.2 BlockStart <BlckStart>***Presence:* [1..1]*Definition:* Index of the first transaction reported in this message within the list of transactions matching the search criteria.*Datatype:* "PositiveNumber" on page 1395**26.4.2.4.3 BlockStop <BlckStop>***Presence:* [1..1]*Definition:* Index of the last transaction reported in this message.*Datatype:* "PositiveNumber" on page 1395**26.4.2.4.4 TransactionReport <TxRpt>***Presence:* [0..\*]*Definition:* List of Transaction Report containing one Transaction Report for each transaction matching the Search criteria. This list may be partial according to requested block.

**TransactionReport <TxRpt>** contains the following **PointOfInteractionTransactionReport4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	±		830
	<b>PaymentResponse</b> <PmtRspn>	[0..1]			831
	<b>SaleTransactionIdentification</b> <SaleTxId>	[1..1]	±		832
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		833
	<b>POITransactionIdentification</b> <POITxId>	[1..1]	±		833
	<b>POIReconciliationIdentification</b> <POIRcnclnId>	[0..1]	Text		833
	<b>IssuerReferenceData</b> <IssrRefData>	[0..1]	Text		833
	<b>RetailerPaymentResult</b> <RtlrPmtRslt>	[1..1]	±		833
	<b>PaymentReceipt</b> <PmtRct>	[0..*]	±		836
	<b>LoyaltyResult</b> <LtyRslt>	[0..*]			836
	<b>Account</b> <Acct>	[1..1]	±		837
	<b>Amount</b> <Amt>	[0..1]			838
	<b>Unit</b> <Unit>	[0..1]	CodeSet		838
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	838
	<b>Amount</b> <Amt>	[1..1]	Amount		838
	<b>ServerData</b> <SvrData>	[0..1]			838
	<b>LoyaltyServerIdentification</b> <LtySvrId>	[0..1]	Text		839
	<b>ApprovalCode</b> <ApprvlCd>	[0..1]	Text		839
	<b>LoyaltyTransactionIdentification</b> <LtyTxId>	[0..1]	±		839
	<b>HostReconciliationIdentification</b> <HstRcnclnId>	[0..1]	Text		839
	<b>Rebates</b> <Rbts>	[0..1]			839
	<b>TotalRebate</b> <TtlRbt>	[0..1]	Amount		840
	<b>RebateLabel</b> <RbtLabl>	[0..1]	Text		840
	<b>SaleItemRebate</b> <SaleItmRbt>	[0..*]			840
	<b>SaleItem</b> <SaleItm>	[1..1]	±		840
	<b>RebateLabel</b> <RbtLabl>	[0..1]	Text		841
	<b>CustomerOrder</b> <CstmrOrd>	[0..*]	±		841

#### 26.4.2.4.4.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Response for this specific transaction.

**Response <Rspn>** contains the following elements (see "ResponseType11" on page 1244 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1244
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1245
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1246

#### 26.4.2.4.4.2 PaymentResponse <PmtRspn>

*Presence:* [0..1]

*Definition:* Data responded to a Payment request.

**PaymentResponse <PmtRspn>** contains the following **PaymentResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleTransactionIdentification</b> <SaleTxId>	[1..1]	±		832
	<b>SaleReferenceIdentification</b> <SaleRefId>	[0..1]	Text		833
	<b>POITransactionIdentification</b> <POITxId>	[1..1]	±		833
	<b>POIReconciliationIdentification</b> <POIRcncltnId>	[0..1]	Text		833
	<b>IssuerReferenceData</b> <IssrRefData>	[0..1]	Text		833
	<b>RetailerPaymentResult</b> <RtlrPmtRslt>	[1..1]	±		833
	<b>PaymentReceipt</b> <PmtRct>	[0..*]	±		836
	<b>LoyaltyResult</b> <LltyRslt>	[0..*]			836
	<b>Account</b> <Acct>	[1..1]	±		837
	<b>Amount</b> <Amt>	[0..1]			838
	<b>Unit</b> <Unit>	[0..1]	CodeSet		838
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	838
	<b>Amount</b> <Amt>	[1..1]	Amount		838
	<b>ServerData</b> <SvrData>	[0..1]			838
	<b>LoyaltyServerIdentification</b> <LltySvrId>	[0..1]	Text		839
	<b>ApprovalCode</b> <ApprvlCd>	[0..1]	Text		839
	<b>LoyaltyTransactionIdentification</b> <LltyTxId>	[0..1]	±		839
	<b>HostReconciliationIdentification</b> <HstRcncltnId>	[0..1]	Text		839
	<b>Rebates</b> <Rbts>	[0..1]			839
	<b>TotalRebate</b> <TtlRbt>	[0..1]	Amount		840
	<b>RebateLabel</b> <RbtLabl>	[0..1]	Text		840
	<b>SaleItemRebate</b> <SaleitmRbt>	[0..*]			840
	<b>SaleItem</b> <Saleitm>	[1..1]	±		840
	<b>RebateLabel</b> <RbtLabl>	[0..1]	Text		841
	<b>CustomerOrder</b> <CstmrOrd>	[0..*]	±		841

#### 26.4.2.4.4.2.1 SaleTransactionIdentification <SaleTxId>

*Presence:* [1..1]

*Definition:* Sale System identification of the transaction in an unambiguous way.

**SaleTransactionIdentification <SaleTxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 26.4.2.4.4.2.2 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 26.4.2.4.4.2.3 POITransactionIdentification <POITxId>

*Presence:* [1..1]

*Definition:* POI identification of the transaction in an unambiguous way.

**POITransactionIdentification <POITxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 26.4.2.4.4.2.4 POIReconciliationIdentification <POIRcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer.

*Datatype:* "Max35Text" on page 1399

#### 26.4.2.4.4.2.5 IssuerReferenceData <IssrRefData>

*Presence:* [0..1]

*Definition:* Identification of the transaction given by the Issuer.

*Datatype:* "Max140Text" on page 1397

#### 26.4.2.4.4.2.6 RetailerPaymentResult <RtlrPmtRslt>

*Presence:* [1..1]

*Definition:* Data related to the result of a processed payment transaction.

**RetailerPaymentResult <RtlrPmtRslt>** contains the following elements (see "RetailerPaymentResult4" on page 1107 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		1110
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1111
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1111
	RequestedTransaction <ReqdTxx>	[0..1]	±		1112
	TransactionResponse <TxRspn>	[0..1]			1116
	AuthorisationResult <AuthstnRslt>	[1..1]			1119
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1119
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1119
	Response <Rspn>	[1..1]	CodeSet		1120
	ResponseReason <RspnRsn>	[0..1]	Text		1120
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1120
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1120
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		1120
	TMSTrigger <TMSTrggr>	[0..1]			1121
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		1121
	TMSIdentification <TMSId>	[0..1]	Text		1121
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		1121
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1121
	Method <Mtd>	[1..1]	CodeSet		1122
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1123
	Result <Rslt>	[0..1]	CodeSet		1123
	AdditionalResult <AddtlRslt>	[0..1]	Text		1123
	AllowedProductCode <AllwdPdctCd>	[0..*]			1124
	ProductCode <PdctCd>	[1..1]	Text		1124
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1124
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			1124
	ProductCode <PdctCd>	[1..1]	Text		1124
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1124
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			1124
	ProductCode <PdctCd>	[1..1]	Text		1125

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1125
	AmountLimit <AmtLmt>	[0..1]	Amount		1125
	QuantityLimit <QtyLmt>	[0..1]	Quantity		1125
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1125
	Balance <Bal>	[0..1]	±		1127
	ProtectedBalance <PrtctdBal>	[0..1]	±		1127
	Action <Actn>	[0..*]			1128
	ActionType <ActnTp>	[1..1]	CodeSet		1128
	MessageToPresent <MsgToPres>	[0..1]	±		1129
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			1129
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1130
	TargetCurrency <TrgtCcy>	[1..1]			1131
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1131
	NumericCode <NmrcCd>	[1..1]	Text		1131
	Decimal <Dcml>	[1..1]	Quantity		1131
	Name <Nm>	[0..1]	Text		1131
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		1132
	ExchangeRate <XchgRate>	[1..1]	Rate		1132
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1132
	QuotationDate <QtnDt>	[0..1]	DateTime		1132
	ValidUntil <VldUntil>	[0..1]	DateTime		1132
	SourceCurrency <SrcCcy>	[1..1]			1132
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1132
	NumericCode <NmrcCd>	[0..1]	Text		1133
	Decimal <Dcml>	[0..1]	Quantity		1133
	Name <Nm>	[0..1]	Text		1133
	OriginalAmount <OrgnlAmt>	[1..1]			1133
	ActualAmount <ActlAmt>	[0..1]	Amount		1133
	MinimumAmount <MinAmt>	[0..1]	Amount		1133
	MaximumAmount <MaxAmt>	[0..1]	Amount		1134
	CommissionDetails <ComssnDtls>	[0..*]			1134

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1134
	AdditionalInformation <AddtlInf>	[0..1]	Text		1134
	MarkUpDetails <MrkUpDtls>	[0..*]			1134
	Rate <Rate>	[1..1]	Rate		1134
	AdditionalInformation <AddtlInf>	[0..1]	Text		1135
	DeclarationDetails <DclrtDtls>	[0..*]	±		1135
	CustomerOrder <CstmrOrd>	[0..*]	±		1135
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			1136
	ImageFormat <ImgFrmt>	[1..1]	Text		1136
	ImageData <ImgData>	[0..1]	Binary		1136
	ImageReference <ImgRef>	[0..1]	Text		1137
	AdditionalInformation <AddtlInf>	[0..1]	Text		1137
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		1137
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		1137
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	1137
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		1137

#### 26.4.2.4.4.2.7 PaymentReceipt <PmtRct>

*Presence:* [0..\*]

*Definition:* Customer or Merchant payment receipt.

**PaymentReceipt <PmtRct>** contains the following elements (see "[PaymentReceipt4](#)" on page 1142 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		1143
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		1143
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		1143
	OutputContent <OutptCntt>	[1..1]	±		1144

#### 26.4.2.4.4.2.8 LoyaltyResult <LtyRslt>

*Presence:* [0..\*]

*Definition:* Data related to the result of a processed loyalty transaction.



**LoyaltyResult <LtyRslt>** contains the following **LoyaltyResult3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Account</b> <Acct>	[1..1]	±		837
	<b>Amount</b> <Amt>	[0..1]			838
	<b>Unit</b> <Unit>	[0..1]	CodeSet		838
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	838
	<b>Amount</b> <Amt>	[1..1]	Amount		838
	<b>ServerData</b> <SvrData>	[0..1]			838
	<b>LoyaltyServerIdentification</b> <LtySvrId>	[0..1]	Text		839
	<b>ApprovalCode</b> <ApprvlCd>	[0..1]	Text		839
	<b>LoyaltyTransactionIdentification</b> <LtyTxId>	[0..1]	±		839
	<b>HostReconciliationIdentification</b> <HstRcncltnId>	[0..1]	Text		839
	<b>Rebates</b> <Rbts>	[0..1]			839
	<b>TotalRebate</b> <TtlRbt>	[0..1]	Amount		840
	<b>RebateLabel</b> <RbtLbl>	[0..1]	Text		840
	<b>SaleItemRebate</b> <SaleItmRbt>	[0..*]			840
	<b>SaleItem</b> <SaleItm>	[1..1]	±		840
	<b>RebateLabel</b> <RbtLbl>	[0..1]	Text		841

#### 26.4.2.4.4.2.8.1 Account <Acct>

*Presence:* [1..1]

*Definition:* Account managing the Loyalty.

**Account <Acct>** contains the following elements (see "[LoyaltyAccount3](#)" on page 1144 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		1145
	EntryMode <NtryMd>	[0..1]	CodeSet		1145
	IdentificationType <IdTp>	[0..1]	CodeSet		1146
	Brand <Brnd>	[0..1]	Text		1146
	Provider <Prvdr>	[0..1]	Text		1146
	OwnerName <OwnrNm>	[0..1]	Text		1146
	Unit <Unit>	[0..1]	CodeSet		1146
	Currency <Ccy>	[0..1]	CodeSet	C1	1147
	Balance <Bal>	[0..1]	Amount		1147

**26.4.2.4.4.2.8.2 Amount <Amt>***Presence:* [0..1]*Definition:* Amount.**Amount <Amt>** contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Unit &lt;Unit&gt;</b>	[0..1]	CodeSet		838
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	838
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		838

**26.4.2.4.4.2.8.2.1 Unit <Unit>***Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 1349

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

**26.4.2.4.4.2.8.2.2 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**26.4.2.4.4.2.8.2.3 Amount <Amt>***Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**26.4.2.4.4.2.8.3 ServerData <SvrData>***Presence:* [0..1]*Definition:* Data sent by the Loyalty server.

**ServerData <SvrData>** contains the following **LoyaltyServerData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>LoyaltyServerIdentification</b> <LtySvrId>	[0..1]	Text		839
	<b>ApprovalCode</b> <ApprvICd>	[0..1]	Text		839
	<b>LoyaltyTransactionIdentification</b> <LtyTxId>	[0..1]	±		839
	<b>HostReconciliationIdentification</b> <HstRcncltnId>	[0..1]	Text		839

#### 26.4.2.4.4.2.8.3.1 LoyaltyServerIdentification <LtySvrId>

*Presence:* [0..1]

*Definition:* Identification of the loyalty Server.

*Datatype:* "Max35Text" on page 1399

#### 26.4.2.4.4.2.8.3.2 ApprovalCode <ApprvICd>

*Presence:* [0..1]

*Definition:* Approval code assigned to a loyalty transaction by the Server.

*Datatype:* "Min6Max8Text" on page 1402

#### 26.4.2.4.4.2.8.3.3 LoyaltyTransactionIdentification <LtyTxId>

*Presence:* [0..1]

*Definition:* Identification of the Loyalty transaction in an unambiguous way.

**LoyaltyTransactionIdentification <LtyTxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 26.4.2.4.4.2.8.3.4 HostReconciliationIdentification <HstRcncltnId>

*Presence:* [0..1]

*Definition:* Identifier of a reconciliation period with a payment or loyalty host.

*Datatype:* "Max35Text" on page 1399

#### 26.4.2.4.4.2.8.4 Rebates <Rbts>

*Presence:* [0..1]

*Definition:* Rebate information.

**Rebates <Rbts>** contains the following **LoyaltyRebates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TotalRebate</b> <TtlRbt>	[0..1]	Amount		840
	<b>RebateLabel</b> <RbtLabl>	[0..1]	Text		840
	<b>SaleItemRebate</b> <SaleitmRbt>	[0..*]			840
	<b>SaleItem</b> <Saleitm>	[1..1]	±		840
	<b>RebateLabel</b> <RbtLabl>	[0..1]	Text		841

#### 26.4.2.4.4.2.8.4.1 TotalRebate <TtlRbt>

*Presence:* [0..1]

*Definition:* The global awarded amount that is not attached to an item.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 26.4.2.4.4.2.8.4.2 RebateLabel <RbtLabl>

*Presence:* [0..1]

*Definition:* Short text to qualify a rebate on an line item.

*Datatype:* "Max35Text" on page 1399

#### 26.4.2.4.4.2.8.4.3 SaleItemRebate <SaleitmRbt>

*Presence:* [0..\*]

*Definition:* Amount of the payment transaction related to the Loyalty.

**SaleItemRebate <SaleitmRbt>** contains the following **SaleItemRebate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SaleItem</b> <Saleitm>	[1..1]	±		840
	<b>RebateLabel</b> <RbtLabl>	[0..1]	Text		841

#### 26.4.2.4.4.2.8.4.3.1 SaleItem <Saleitm>

*Presence:* [1..1]

*Definition:* Data of the Sale item.

**SaleItem <Saleitm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 26.4.2.4.4.2.8.4.3.2 RebateLabel <RbtLbl>

*Presence:* [0..1]

*Definition:* Short text to qualify a rebate on an line item.

*Datatype:* "Max35Text" on page 1399

#### 26.4.2.4.4.2.9 CustomerOrder <CstmrOrdr>

*Presence:* [0..\*]

*Definition:* Customer order attached to a customer, recorded in the POI system.

**CustomerOrder <CstmrOrdR>** contains the following elements (see "CustomerOrder1" on page 1246 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdRId>	[1..1]	Text		1247
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		1247
	OpenOrderState <OpnOrdRStat>	[0..1]	Indicator		1247
	StartDate <StartDt>	[1..1]	DateTime		1247
	EndDate <EndDt>	[0..1]	DateTime		1247
	Unit <Unit>	[0..1]	CodeSet		1248
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		1248
	CurrentAmount <CurAmt>	[0..1]	Amount		1248
	Currency <Ccy>	[0..1]	CodeSet	C1	1248
	AccessedBy <AccsdBy>	[0..1]	Text		1248
	AdditionalInformation <AddtlInf>	[0..1]	Text		1248

#### 26.4.2.5 ReportGetTotalsResponse <RptGetTtlRspn>

*Presence:* [0..1]

*Definition:* Content of the Get Totals Response message.

**ReportGetTotalsResponse** <RptGetTtlsRspn> contains the following **ReportGetTotalsResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIReconciliationIdentification</b> <POIRcncltnId>	[1..1]	Text		844
	<b>TransactionTotalsSet</b> <TxTtlsSet>	[0..*]			844
	<b>PaymentInstrumentType</b> <PmtInstrmTp>	[1..1]	CodeSet		846
	<b>AcquirerIdentification</b> <AcqrId>	[0..1]	Text		846
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		846
	<b>SaleReconciliationIdentification</b> <SaleRcncltnId>	[0..1]	Text		846
	<b>Brand</b> <Brnd>	[0..1]	Text		846
	<b>POIIdentification</b> <POIId>	[0..1]	Text		846
	<b>SaleIdentification</b> <SaleId>	[0..1]	Text		847
	<b>CashierIdentification</b> <CshrlId>	[0..1]	Text		847
	<b>ShiftNumber</b> <ShftNb>	[0..1]	Text		847
	<b>SponsoredMerchant</b> <SpnsrdMrchnt>	[0..*]			847
	<b>CommonName</b> <CmonNm>	[1..1]	Text		847
	<b>Address</b> <Adr>	[0..1]	Text		847
	<b>CountryCode</b> <CtryCd>	[1..1]	CodeSet		847
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		848
	<b>RegisteredIdentifier</b> <RegIdr>	[1..1]	Text		848
	<b>TransactionTotal</b> <TxTtl>	[1..1]			848
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		848
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		848
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	848
	<b>Type</b> <Tp>	[1..1]	CodeSet		849
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		849
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		849
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		849
	<b>LoyaltyTransactionTotal</b> <LtyTxTtl>	[0..*]			850
	<b>POIGroupIdentification</b> <POIGrpId>	[0..1]	Text		850
	<b>LoyaltyUnit</b> <LtyUnit>	[0..1]	CodeSet		850
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		851
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	851

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionType</b> <TxTp>	[1..1]	CodeSet		851
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		851
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		852
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		852

#### 26.4.2.5.1 POIRconciliationIdentification <POIRcncldId>

*Presence:* [1..1]

*Definition:* Identification of the reconciliation period between Sale and POI.

*Datatype:* "Max35Text" on page 1399

#### 26.4.2.5.2 TransactionTotalsSet <TxTtlsSet>

*Presence:* [0..\*]

*Definition:* Result of the Sale to POI Totals processing.



TransactionTotalsSet &lt;TxTtlsSet&gt; contains the following TransactionTotalsSet1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PaymentInstrumentType</b> <PmtInstmTp>	[1..1]	CodeSet		846
	<b>AcquirerIdentification</b> <Acqrrld>	[0..1]	Text		846
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		846
	<b>SaleReconciliationIdentification</b> <SaleRcncltnld>	[0..1]	Text		846
	<b>Brand</b> <Brnd>	[0..1]	Text		846
	<b>POIIdentification</b> <POIld>	[0..1]	Text		846
	<b>SaleIdentification</b> <Saleld>	[0..1]	Text		847
	<b>CashierIdentification</b> <Cshrlld>	[0..1]	Text		847
	<b>ShiftNumber</b> <ShftNb>	[0..1]	Text		847
	<b>SponsoredMerchant</b> <SpnsrdMrchnt>	[0..*]			847
	<b>CommonName</b> <CmonNm>	[1..1]	Text		847
	<b>Address</b> <Adr>	[0..1]	Text		847
	<b>CountryCode</b> <CtryCd>	[1..1]	CodeSet		847
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		848
	<b>RegisteredIdentifier</b> <Regldr>	[1..1]	Text		848
	<b>TransactionTotal</b> <TxTtl>	[1..1]			848
	<b>POIGroupIdentification</b> <POIGrpld>	[0..1]	Text		848
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		848
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	848
	<b>Type</b> <Tp>	[1..1]	CodeSet		849
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		849
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		849
	<b>DetailedAmount</b> <DtlldAmt>	[0..1]	±		849
	<b>LoyaltyTransactionTotal</b> <LtyTxTtl>	[0..*]			850
	<b>POIGroupIdentification</b> <POIGrpld>	[0..1]	Text		850
	<b>LoyaltyUnit</b> <LtyUnit>	[0..1]	CodeSet		850
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		851
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	851
	<b>TransactionType</b> <TxTp>	[1..1]	CodeSet		851
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		851
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		852

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		852

**26.4.2.5.2.1 PaymentInstrumentType <PmtInstrmTp>***Presence:* [1..1]*Definition:* Type of payment instrument.*Datatype:* "PaymentInstrumentType1Code" on page 1377

CodeName	Name	Definition
CARD	Card	Payment card (credit or debit).
CASH	Cash	Cash managed by a cash handling system.
CHCK	Check	Paper check.
LOYT	LoyaltyAccount	Account using loyalty processing.
SVAC	StoredValueAccount	Account accessed by a stored value instrument such as a card or a certificate.

**26.4.2.5.2.2 AcquirerIdentification <Acqrrld>***Presence:* [0..1]*Definition:* Identification of an Acquirer.*Datatype:* "Max35Text" on page 1399**26.4.2.5.2.3 ReconciliationIdentification <Rcncltnld>***Presence:* [0..1]*Definition:* Identifier of a host reconciliation period: acquirer for a payment or server for loyalty.*Datatype:* "Max35Text" on page 1399**26.4.2.5.2.4 SaleReconciliationIdentification <SaleRcncltnld>***Presence:* [0..1]*Definition:* Identifier of a reconciliation period on the sale system.*Datatype:* "Max35Text" on page 1399**26.4.2.5.2.5 Brand <Brnd>***Presence:* [0..1]*Definition:* Brand of payment card or loyalty system.*Datatype:* "Max35Text" on page 1399**26.4.2.5.2.6 POIIdentification <POIld>***Presence:* [0..1]*Definition:* Identifier of the POI system performing a reconciliation.*Datatype:* "Max35Text" on page 1399

**26.4.2.5.2.7 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 1399**26.4.2.5.2.8 CashierIdentification <CshrlId>***Presence:* [0..1]*Definition:* Identification of the cashier who carried out the transactions.*Datatype:* "Max35Text" on page 1399**26.4.2.5.2.9 ShiftNumber <ShftNb>***Presence:* [0..1]*Definition:* Identifies the shift of the cashier.*Datatype:* "Max2NumericText" on page 1398**26.4.2.5.2.10 SponsoredMerchant <SpnsrdMrchnt>***Presence:* [0..\*]*Definition:* Merchant using the payment services of a payment facilitator, acting as a card acceptor.**SponsoredMerchant <SpnsrdMrchnt>** contains the following **Organisation26** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CommonName</b> <CmonNm>	[1..1]	Text		847
	<b>Address</b> <Adr>	[0..1]	Text		847
	<b>CountryCode</b> <CtryCd>	[1..1]	CodeSet		847
	<b>MerchantCategoryCode</b> <MrchntCtgyCd>	[1..1]	Text		848
	<b>RegisteredIdentifier</b> <RegIdIdr>	[1..1]	Text		848

**26.4.2.5.2.10.1 CommonName <CmonNm>***Presence:* [1..1]*Definition:* Name of the merchant.*Datatype:* "Max70Text" on page 1400**26.4.2.5.2.10.2 Address <Adr>***Presence:* [0..1]*Definition:* Location of the merchant.*Datatype:* "Max140Text" on page 1397**26.4.2.5.2.10.3 CountryCode <CtryCd>***Presence:* [1..1]*Definition:* Country of the merchant.

*Datatype:* "ISO3NumericCountryCode" on page 1368

#### 26.4.2.5.2.10.4 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [1..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402

#### 26.4.2.5.2.10.5 RegisteredIdentifier <RegldIdr>

*Presence:* [1..1]

*Definition:* Identifier of the sponsored merchant assigned by the payment facilitator of their acquirer.

*Datatype:* "Max35Text" on page 1399

#### 26.4.2.5.2.11 TransactionTotal <TxTtl>

*Presence:* [1..1]

*Definition:* Payment Transaction totals during the reconciliation period, for a certain type of transaction.

**TransactionTotal <TxTtl>** contains the following **TransactionTotals8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGrouplIdentification</b> <POIGrpld>	[0..1]	Text		848
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		848
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	848
	<b>Type</b> <Tp>	[1..1]	CodeSet		849
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		849
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		849
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		849

##### 26.4.2.5.2.11.1 POIGrouplIdentification <POIGrpld>

*Presence:* [0..1]

*Definition:* Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

*Datatype:* "Max35Text" on page 1399

##### 26.4.2.5.2.11.2 CardProductProfile <CardPdctPrfl>

*Presence:* [0..1]

*Definition:* Category of cards related the acceptance processing rules defined by the acquirer.

*Datatype:* "Max35Text" on page 1399

##### 26.4.2.5.2.11.3 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction totals.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 26.4.2.5.2.11.4 Type <Tp>

*Presence:* [1..1]

*Definition:* Identification of the type of transaction.

*Datatype:* "TypeTransactionTotals3Code" on page 1389

CodeName	Name	Definition
CRDT	Credit	Credit transactions (refund, account, cash service, as defined in the transaction service type).
CRDR	CreditReverse	Reversal of credit transactions (cancellation).
DEBT	Debit	Debit transactions on the cardholder account.
DBTR	DebitReverse	Reversal of debit transactions (cancellation).
DECL	Declined	Declined transactions.
FAIL	Failed	Failed transactions.
RESV	Reservation	Outstanding Reservation transactions.

#### 26.4.2.5.2.11.5 TotalNumber <TtlNb>

*Presence:* [1..1]

*Definition:* Total number of transactions during a reconciliation period.

*Datatype:* "Number" on page 1395

#### 26.4.2.5.2.11.6 CumulativeAmount <CmltvAmt>

*Presence:* [1..1]

*Definition:* Total amount of a collection of transactions.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 26.4.2.5.2.11.7 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 26.4.2.5.2.12 LoyaltyTransactionTotal <LltyTxTtl>

*Presence:* [0..\*]

*Definition:* Loyalty Transaction totals during the reconciliation period, for a certain type of transaction.

**LoyaltyTransactionTotal <LltyTxTtl>** contains the following **LoyaltyTransactionTotals1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>POIGroupIdentification</b> <POIGrpld>	[0..1]	Text		850
	<b>LoyaltyUnit</b> <LltyUnit>	[0..1]	CodeSet		850
	<b>CardProductProfile</b> <CardPdctPrfl>	[0..1]	Text		851
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	851
	<b>TransactionType</b> <TxTp>	[1..1]	CodeSet		851
	<b>TotalNumber</b> <TtlNb>	[1..1]	Quantity		851
	<b>CumulativeAmount</b> <CmltvAmt>	[1..1]	Amount		852
	<b>DetailedAmount</b> <DtldAmt>	[0..1]	±		852

##### 26.4.2.5.2.12.1 POIGroupIdentification <POIGrpld>

*Presence:* [0..1]

*Definition:* Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

*Datatype:* "Max35Text" on page 1399

##### 26.4.2.5.2.12.2 LoyaltyUnit <LltyUnit>

*Presence:* [0..1]

*Definition:* Unit of the amount, expressed in point or in a monetary value and a currency.

*Datatype:* "AmountUnit1Code" on page 1349

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

**26.4.2.5.2.12.3 CardProductProfile <CardPdctPrfl>***Presence:* [0..1]*Definition:* Cards category related to the acceptance processing rules defined by the Loyalty provider.*Datatype:* "Max35Text" on page 1399**26.4.2.5.2.12.4 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency associated with the transaction totals.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**26.4.2.5.2.12.5 TransactionType <TxTp>***Presence:* [1..1]*Definition:* Type of Loyalty transaction for Report.*Datatype:* "LoyaltyTypeTransactionTotals1Code" on page 1370

CodeName	Name	Definition
AWRD	Award	Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates.
REBA	Rebate	Rebate on a total amount, sale item amount, or sale items.
REDE	Redemption	Redemption on a loyalty account.
AWRR	ReverseAward	Refund of a loyalty award transaction.
REBR	ReverseRebate	Refund of a loyalty rebate transaction.
REDR	ReverseRedemption	Refund of a loyalty redemption transaction.

**26.4.2.5.2.12.6 TotalNumber <TtlNb>***Presence:* [1..1]*Definition:* Total number of transactions during a reconciliation period.

*Datatype:* "Number" on page 1395

#### 26.4.2.5.2.12.7 CumulativeAmount <CmltvAmt>

*Presence:* [1..1]

*Definition:* Total amount of a collection of transactions.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 26.4.2.5.2.12.8 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transactions.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 26.4.2.6 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the processing of the request.

**Response <Rspn>** contains the following elements (see "ResponseType11" on page 1244 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1244
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1245
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1246

#### 26.4.2.7 SupplementaryData <SplmtryData>

*Presence:* [0..\*]

*Definition:* Additional information incorporated as an extension to the message.

*Impacted by:* C5 "SupplementaryDataRule"



**SupplementaryData <SplmtryData>** contains the following elements (see "[SupplementaryData1](#)" on page 1106 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

#### 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 or a digital signature.

**SecurityTrailer <SctyTrlr>** contains the following elements (see "[ContentInformationType31](#)" on page 1301 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

## 27 Message Items Types

### 27.1 MessageComponents

#### 27.1.1 Acquirer

##### 27.1.1.1 Acquirer10

*Definition:* Acquirer involved in the card payment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		854
	ParametersVersion <ParamsVrsn>	[0..1]	Text		854

##### 27.1.1.1.1 Identification <Id>

*Presence:* [0..1]

*Definition:* Identification of the acquirer (for example the bank identification number BIN).

**Identification <Id>** contains the following elements (see "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

##### 27.1.1.1.2 ParametersVersion <ParamsVrsn>

*Presence:* [0..1]

*Definition:* Version of the payment acquirer parameters of the POI.

*Datatype:* "Max256Text" on page 1398

### 27.1.1.2 KEKIdentifier7

*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		855
	KeyVersion <KeyVrsn>	[1..1]	Text		855
	SequenceNumber <SeqNb>	[0..1]	Quantity		855
	DerivationIdentification <DerivtnId>	[0..1]	Binary		855

#### 27.1.1.2.1 KeyIdentification <KeyId>

*Presence:* [1..1]

*Definition:* Identification of the cryptographic key.

*Datatype:* "Max140Text" on page 1397

#### 27.1.1.2.2 KeyVersion <KeyVrsn>

*Presence:* [1..1]

*Definition:* Version of the cryptographic key.

*Datatype:* "Max140Text" on page 1397

#### 27.1.1.2.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* Number of usages of the cryptographic key.

*Datatype:* "Number" on page 1395

#### 27.1.1.2.4 DerivationIdentification <DerivtnId>

*Presence:* [0..1]

*Definition:* Identification used for derivation of a unique key from a master key provided for the data protection.

*Datatype:* "Max500Binary" on page 1339

## 27.1.2 Address

### 27.1.2.1 CommunicationAddress9

*Definition:* Communication information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PostalAddress <PstlAdr>	[0..1]	±		856
	Email <Email>	[0..1]	Text		856
	URLAddress <URLAdr>	[0..1]	Text		856
	Phone <Phne>	[0..1]	Text		857
	CustomerService <CstmrSvc>	[0..1]	Text		857
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		857

#### 27.1.2.1.1 PostalAddress <PstlAdr>

*Presence:* [0..1]

*Definition:* Postal address of the entity.

**PostalAddress <PstlAdr>** contains the following elements (see "[PostalAddress22](#)" on page 1272 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1273
	Department <Dept>	[0..1]	Text		1273
	SubDepartment <SubDept>	[0..1]	Text		1273
	AddressLine <AdrLine>	[0..2]	Text		1273
	StreetName <StrtNm>	[0..1]	Text		1274
	BuildingNumber <BldgNb>	[0..1]	Text		1274
	PostCode <PstCd>	[0..1]	Text		1274
	TownName <TwnNm>	[0..1]	Text		1274
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1274
	CountryCode <CtryCd>	[0..1]	Text		1274

#### 27.1.2.1.2 Email <Email>

*Presence:* [0..1]

*Definition:* Address for electronic mail (e-mail).

*Datatype:* "[Max256Text](#)" on page 1398

#### 27.1.2.1.3 URLAddress <URLAdr>

*Presence:* [0..1]

*Definition:* Address for the Universal Resource Locator (URL), for example used over the www (HTTP) service.

*Datatype:* "[Max256Text](#)" on page 1398

**27.1.2.1.4 Phone <Phne>***Presence:* [0..1]*Definition:* Collection of information that identifies a phone number, as defined by telecom services.*Datatype:* "PhoneNumber" on page 1402**27.1.2.1.5 CustomerService <CstmrSvc>***Presence:* [0..1]*Definition:* Phone number of the customer service.*Datatype:* "PhoneNumber" on page 1402**27.1.2.1.6 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 1398**27.1.3 Amount****27.1.3.1 AmountAndDirection93***Definition:* Signed amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[1..1]	CodeSet	C1	857
	Sign <Sgn>	[0..1]	Indicator		858

**27.1.3.1.1 Amount <Amt>***Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.3.1.2 Currency <Ccy>***Presence:* [1..1]*Definition:* Currency associated with the transaction.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### 27.1.3.1.3 Sign <Sgn>

*Presence:* [0..1]

*Definition:* Indicates that the amount value is positive or negative.

*Datatype:* One of the following values must be used (see ["PlusOrMinusIndicator"](#) on page 1394):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

### 27.1.3.2 InstalmentAmountDetails1

*Definition:* Instalment amount details

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		858
	OtherType <OthrTp>	[0..1]	Text		858
	SubType <SubTp>	[0..1]	Text		859
	Amount <Amt>	[0..1]	±		859
	Percentage <Pctg>	[0..1]	Rate		859

#### 27.1.3.2.1 Type <Tp>

*Presence:* [0..1]

*Definition:* Grace period unit type.

*Datatype:* ["InstalmentAmountDetailsType1Code"](#) on page 1367

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.

#### 27.1.3.2.2 OtherType <OthrTp>

*Presence:* [0..1]

*Definition:* Grace period other unit type.

*Datatype:* ["Max35Text" on page 1399](#)

#### 27.1.3.2.3 SubType <SubTp>

*Presence:* [0..1]

*Definition:* Grace period sub type.

*Datatype:* ["Max35Text" on page 1399](#)

#### 27.1.3.2.4 Amount <Amt>

*Presence:* [0..1]

*Definition:* Detailed instalment amount.

**Amount <Amt>** contains the following elements (see ["Amount5" on page 859](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		859
	Sign <Sgn>	[0..1]	Indicator		859

#### 27.1.3.2.5 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 1395](#)

#### 27.1.3.3 Amount5

*Definition:* Signed amount in a given numeric currency

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		859
	Sign <Sgn>	[0..1]	Indicator		859

##### 27.1.3.3.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

##### 27.1.3.3.2 Sign <Sgn>

*Presence:* [0..1]

*Definition:* Sign of the amount.

*Datatype:* One of the following values must be used (see ["PlusOrMinusIndicator" on page 1394](#)):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

#### 27.1.3.4 DetailedAmount15

*Definition:* Detailed amounts associated with the total amount of transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

##### 27.1.3.4.1 AmountGoodsAndServices <AmtGoodsAndSvcs>

*Presence:* [0..1]

*Definition:* Amount of purchase goods and services without tax.

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

##### 27.1.3.4.2 CashBack <CshBck>

*Presence:* [0..1]

*Definition:* Cash-back amount.

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

##### 27.1.3.4.3 Gratuity <Grtty>

*Presence:* [0..1]

*Definition:* Gratuity amount.

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

##### 27.1.3.4.4 Fees <Fees>

*Presence:* [0..\*]

*Definition:* Fees amount.

**Fees <Fees>** contains the following elements (see ["DetailedAmount4" on page 861](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		861
	Label <Labl>	[0..1]	Text		862



**27.1.3.4.5 Rebate <Rbt>***Presence:* [0..\*]*Definition:* Global rebate of the transaction. This amount is counted as a negative amount.**Rebate <Rbt>** contains the following elements (see "[DetailedAmount4](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		861
	Label <Labl>	[0..1]	Text		862

**27.1.3.4.6 ValueAddedTax <ValAddedTax>***Presence:* [0..\*]*Definition:* Value added tax amount.**ValueAddedTax <ValAddedTax>** contains the following elements (see "[DetailedAmount4](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		861
	Label <Labl>	[0..1]	Text		862

**27.1.3.4.7 Surcharge <Srchr>***Presence:* [0..\*]*Definition:* Additional charge paid by the cardholder. For example airline credit card surcharge.**Surcharge <Srchr>** contains the following elements (see "[DetailedAmount4](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		861
	Label <Labl>	[0..1]	Text		862

**27.1.3.5 DetailedAmount4***Definition:* Detailed amounts associated with the total amount of transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		861
	Label <Labl>	[0..1]	Text		862

**27.1.3.5.1 Amount <Amt>***Presence:* [1..1]*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

### 27.1.3.5.2 Label <Labl>

*Presence:* [0..1]

*Definition:* Short description of the amount to display or print.

*Datatype:* "Max140Text" on page 1397

## 27.1.4 Card

### 27.1.4.1 PlainCardData15

*Definition:* Sensible data associated with the payment card performing the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		862
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		862
	EffectiveDate <FctvDt>	[0..1]	Text		862
	ExpiryDate <XpryDt>	[1..1]	Text		863
	ServiceCode <SvcCd>	[0..1]	Text		863
	Track1 <Trck1>	[0..1]	Text		863
	Track2 <Trck2>	[0..1]	Text		863
	Track3 <Trck3>	[0..1]	Text		863
	CardholderName <CrdhldrNm>	[0..1]	Text		863

#### 27.1.4.1.1 PAN <PAN>

*Presence:* [1..1]

*Definition:* Primary Account Number (PAN) of the card, or surrogate of the PAN by a payment token.

*Datatype:* "Min8Max28NumericText" on page 1402

#### 27.1.4.1.2 CardSequenceNumber <CardSeqNb>

*Presence:* [0..1]

*Definition:* Identify a card or a payment token inside a set of cards with the same PAN or token.

*Datatype:* "Min2Max3NumericText" on page 1401

#### 27.1.4.1.3 EffectiveDate <FctvDt>

*Presence:* [0..1]

*Definition:* Date from which the card can be used, expressed either in the YYYY-MM format, or in the YYYY-MM-DD format.

*Datatype:* "Max10Text" on page 1396

**27.1.4.1.4 ExpiryDate <XpryDt>**

*Presence:* [1..1]

*Definition:* Expiry date of the card or the payment token expressed either in the YYYY-MM format, or in the YYYY-MM-DD format.

*Datatype:* "Max10Text" on page 1396

**27.1.4.1.5 ServiceCode <SvcCd>**

*Presence:* [0..1]

*Definition:* Services attached to the card, as defined in ISO 7813.

*Datatype:* "Exact3NumericText" on page 1396

**27.1.4.1.6 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 is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

*Datatype:* "Max76Text" on page 1400

**27.1.4.1.7 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 content is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

*Datatype:* "Max37Text" on page 1399

**27.1.4.1.8 Track3 <Trck3>**

*Presence:* [0..1]

*Definition:* ISO track 3 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 4909, removing beginning and ending sentinels and longitudinal redundancy check characters.

*Datatype:* "Max104Text" on page 1396

**27.1.4.1.9 CardholderName <CrdhldrNm>**

*Presence:* [0..1]

*Definition:* Name of the cardholder stored on the card.

*Datatype:* "Max45Text" on page 1399

**27.1.5 Card Transaction****27.1.5.1 GracePeriod1**

*Definition:* Grace period applicable to an instalment plan.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		864
	UnitType <UnitTp>	[1..1]	CodeSet		864
	OtherUnitType <OthrUnitTp>	[0..1]	Text		864

#### 27.1.5.1.1 Time <Tm>

*Presence:* [1..1]

*Definition:* Grace period time relative to the grace period unit type.

*Datatype:* "Max3NumericText" on page 1399

#### 27.1.5.1.2 UnitType <UnitTp>

*Presence:* [1..1]

*Definition:* Grace period unit type.

*Datatype:* "GracePeriodUnitType1Code" on page 1366

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.

#### 27.1.5.1.3 OtherUnitType <OthrUnitTp>

*Presence:* [0..1]

*Definition:* Grace period other unit type.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.2 CardPaymentDataSetTransaction39

*Definition:* Cancelled card payment transaction to be captured in a batch.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionSequenceCounter <TxSeqCntr>	[1..1]	Text		866
	Traceability <Tracblt>	[0..*]	±		866
	Environment <Envt>	[1..1]	±		866
	Context <Cntxt>	[0..1]	±		872
	Transaction <Tx>	[1..1]			875
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		877
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		877
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		877
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		877
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		877
	TransactionIdentification <TxId>	[1..1]	±		877
	OriginalTransaction <OrgnlTx>	[0..1]	±		878
	TransactionSuccess <TxSucss>	[1..1]	Indicator		878
	Reversal <Rvsl>	[0..1]	Indicator		879
	FailureReason <FailrRsn>	[0..*]	CodeSet		879
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		879
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		880
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		880
	InterchangeData <IntrchgngData>	[0..1]	Text		880
	TransactionDetails <TxDtls>	[1..1]			880
	Currency <Ccy>	[0..1]	CodeSet	C1	880
	TotalAmount <TtlAmt>	[1..1]	Amount		881
	ValidityDate <VldtyDt>	[0..1]	Date		881
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		881
	KeepAuthorisationOpen <KeepAuthstnOpn>	[0..1]	Indicator		881
	AuthorisationResult <AuthstnRslt>	[0..1]			881
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		882
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			882
	Response <Rspn>	[1..1]	CodeSet		883
	ResponseReason <RspnRsn>	[0..1]	Text		883
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		883

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationCode <AuthstnCd>	[0..1]	Text		883
	TMSTrigger <TMSTrggr>	[0..1]			883
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		883
	TMSIdentification <TMSId>	[0..1]	Text		884
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		884
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		884

#### 27.1.5.2.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Sequential counter of the transaction.

*Datatype:* "Max9NumericText" on page 1401

#### 27.1.5.2.2 Traceability <Tracblt>

*Presence:* [0..\*]

*Definition:* Identification of partners involved in the exchange from the merchant to the issuer, with the corresponding timestamp of their exchanges.

**Traceability <Tracblt>** contains the following elements (see "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

#### 27.1.5.2.3 Environment <Envt>

*Presence:* [1..1]

*Definition:* Data related to the environment of the cancelled transaction captured in batch.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 27.1.5.2.4 Context <Cntxt>

*Presence:* [0..1]

*Definition:* Context in which the transaction is performed (payment and sale).

**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

#### 27.1.5.2.5 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Card payment cancellation transaction between an acceptor and an acquirer.

**Transaction <Tx>** contains the following **CardPaymentTransaction116** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		877
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		877
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		877
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		877
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		877
	TransactionIdentification <TxId>	[1..1]	±		877
	OriginalTransaction <OrgnlTx>	[0..1]	±		878
	TransactionSuccess <TxSucss>	[1..1]	Indicator		878
	Reversal <Rvs/>	[0..1]	Indicator		879
	FailureReason <FailrRsn>	[0..*]	CodeSet		879
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		879
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		880
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		880
	InterchangeData <IntrchgData>	[0..1]	Text		880
	TransactionDetails <TxDtls>	[1..1]			880
	Currency <Ccy>	[0..1]	CodeSet	C1	880
	TotalAmount <TtlAmt>	[1..1]	Amount		881
	ValidityDate <VldtyDt>	[0..1]	Date		881
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		881
	KeepAuthorisationOpen <KeepAuthstnOpn>	[0..1]	Indicator		881
	AuthorisationResult <AuthstnRslt>	[0..1]			881
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		882
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			882
	Response <Rspn>	[1..1]	CodeSet		883
	ResponseReason <RspnRsn>	[0..1]	Text		883
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		883
	AuthorisationCode <AuthstnCd>	[0..1]	Text		883
	TMSTrigger <TMSTrggr>	[0..1]			883
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		883
	TMSIdentification <TMSId>	[0..1]	Text		884
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		884



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		884

#### 27.1.5.2.5.1 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [1..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402

#### 27.1.5.2.5.2 CustomerConsent <CstmrCnsnt>

*Presence:* [0..1]

*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.5.2.5.3 CardProgrammeProposed <CardPrgrmmPropsd>

*Presence:* [0..\*]

*Definition:* The card programme proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.2.5.4 CardProgrammeApplied <CardPrgrmmApld>

*Presence:* [0..1]

*Definition:* The card programme actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.2.5.5 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.2.5.6 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 27.1.5.2.5.7 OriginalTransaction <OrgnTx>

*Presence:* [0..1]

*Definition:* Identification of the original transaction.

**OriginalTransaction <OrgnTx>** contains the following elements (see "[CardPaymentTransaction122](#)" on page 1089 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIId>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 27.1.5.2.5.8 TransactionSuccess <TxSucss>

*Presence:* [1..1]

*Definition:* Outcome of the transaction at the acceptor.

*Datatype:* One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1394):

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

**27.1.5.2.5.9 Reversal <Rvsl>***Presence:* [0..1]*Definition:* Notify that a previous transaction has to be reversed if this original transaction has been approved by the acquirer.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.5.2.5.10 FailureReason <FailRsn>***Presence:* [0..\*]*Definition:* List of incidents during the transaction.*Datatype:* "FailureReason3Code" on page 1364

CodeName	Name	Definition
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
MALF	Malfunction	Suspected malfunction.
FDCL	OfflineDeclined	Offline authorisation declined the transaction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
PART	Partial	Completed partially.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.

**27.1.5.2.5.11 InitiatorTransactionIdentification <InitrTxld>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.*Datatype:* "Max35Text" on page 1399

**27.1.5.2.5.12 RecipientTransactionIdentification <RcptTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.*Datatype:* "Max140Text" on page 1397**27.1.5.2.5.13 ReconciliationIdentification <RcncltnId>***Presence:* [0..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.*Datatype:* "Max35Text" on page 1399**27.1.5.2.5.14 InterchangeData <IntrchgData>***Presence:* [0..1]*Definition:* Interchange information related to the card scheme.*Datatype:* "Max140Text" on page 1397**27.1.5.2.5.15 TransactionDetails <TxDtls>***Presence:* [1..1]*Definition:* Details of the transaction.**TransactionDetails <TxDtls>** contains the following **CardPaymentTransactionDetails50** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	880
	TotalAmount <TtlAmt>	[1..1]	Amount		881
	ValidityDate <VldtyDt>	[0..1]	Date		881
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		881
	KeepAuthorisationOpen <KeepAuthstrnOpn>	[0..1]	Indicator		881

**27.1.5.2.5.15.1 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency associated with the transaction.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### **27.1.5.2.5.15.2 TotalAmount <TtlAmt>**

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **27.1.5.2.5.15.3 ValidityDate <VldtyDt>**

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### **27.1.5.2.5.15.4 ICCRelatedData <ICCRltdData>**

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

#### **27.1.5.2.5.15.5 KeepAuthorisationOpen <KeepAuthstnOpn>**

*Presence:* [0..1]

*Definition:* This transaction is cancelled but the authorisation is not reversed.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### **27.1.5.2.5.16 AuthorisationResult <AuthstnRslt>**

*Presence:* [0..1]

*Definition:* Outcome of the authorisation.

**AuthorisationResult <AuthstnRslt>** contains the following **AuthorisationResult19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		882
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			882
	Response <Rspn>	[1..1]	CodeSet		883
	ResponseReason <RspnRsn>	[0..1]	Text		883
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		883
	AuthorisationCode <AuthstnCd>	[0..1]	Text		883
	TMSTrigger <TMSTrggr>	[0..1]			883
	TMSContactLevel <TMSCtctLv>	[1..1]	CodeSet		883
	TMSIdentification <TMSId>	[0..1]	Text		884
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		884

#### 27.1.5.2.5.16.1 AuthorisationEntity <AuthstnNtty>

*Presence:* [0..1]

*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).

**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

#### 27.1.5.2.5.16.2 ResponseToAuthorisation <RspnToAuthstn>

*Presence:* [1..1]

*Definition:* Response to an authorisation request.

**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		883
	ResponseReason <RspnRsn>	[0..1]	Text		883
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		883

**27.1.5.2.5.16.2.1 Response <Rspn>***Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**27.1.5.2.5.16.2.2 ResponseReason <RspnRsn>***Presence:* [0..1]*Definition:* Detailed result of the transaction.*Datatype:* "Max35Text" on page 1399**27.1.5.2.5.16.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1397**27.1.5.2.5.16.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 1401**27.1.5.2.5.16.4 TMSTrigger <TMSTrggr>***Presence:* [0..1]*Definition:* Acquirer has requested a contact to the maintenance host.**TMSTrigger <TMSTrggr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		883
	TMSIdentification <TMSId>	[0..1]	Text		884
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		884

**27.1.5.2.5.16.4.1 TMSContactLevel <TMSCtctLvl>***Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

#### 27.1.5.2.5.16.4.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.2.5.16.4.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODateTime" on page 1392

#### 27.1.5.2.5.17 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* "Max70Text" on page 1400

### 27.1.5.3 CardPaymentDataSetTransaction38

*Definition:* Card payment transaction including an authorisation response.



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionSequenceCounter <TxSeqCntr>	[1..1]	Text		889
	Traceability <Tracblt>	[0..*]	±		889
	Environment <Envt>	[1..1]	±		889
	Transaction <Tx>	[1..1]			895
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		898
	TransactionIdentification <TxId>	[1..1]	±		898
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		898
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		898
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		898
	InterchangeData <IntrchnngData>	[0..1]	Text		898
	TransactionDetails <TxDtls>	[1..1]			898
	Currency <Ccy>	[0..1]	CodeSet	C1	900
	TotalAmount <TtlAmt>	[1..1]	Amount		901
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		901
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		901
	DetailedAmount <DtldAmt>	[0..1]	±		901
	RequestedAmount <ReqdAmt>	[0..1]	Amount		902
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		902
	InvoiceAmount <InvcAmt>	[0..1]	Amount		902
	ValidityDate <VldtyDt>	[0..1]	Date		902
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		902
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		903
	AccountType <AcctTp>	[0..1]	CodeSet		903
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			904
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		906
	Conversion <Convs>	[0..1]			906
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		907
	TargetCurrency <TrgtCcy>	[1..1]			908
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	908
	NumericCode <NmrcCd>	[1..1]	Text		908
	Decimal <Dcml>	[1..1]	Quantity		908

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		908
	ResultingAmount <RsltAmt>	[1..1]	Amount		908
	ExchangeRate <XchgRate>	[1..1]	Rate		909
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		909
	QuotationDate <QtnDt>	[0..1]	DateTime		909
	ValidUntil <VldUntil>	[0..1]	DateTime		909
	SourceCurrency <SrcCcy>	[1..1]			909
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	909
	NumericCode <NmrcCd>	[0..1]	Text		910
	Decimal <Dcml>	[0..1]	Quantity		910
	Name <Nm>	[0..1]	Text		910
	OriginalAmount <OrgnlAmt>	[1..1]			910
	ActualAmount <ActlAmt>	[0..1]	Amount		910
	MinimumAmount <MinAmt>	[0..1]	Amount		910
	MaximumAmount <MaxAmt>	[0..1]	Amount		911
	CommissionDetails <ComssnDtls>	[0..*]			911
	Amount <Amt>	[1..1]	Amount		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	MarkUpDetails <MrkUpDtls>	[0..*]			911
	Rate <Rate>	[1..1]	Rate		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	DeclarationDetails <DclrtDtls>	[0..*]	±		912
	Instalment <Instlmt>	[0..*]	±		912
	AggregationTransaction <AggtnTx>	[0..1]	±		913
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		914
	SaleItem <Saleitm>	[0..*]	±		914
	DeliveryLocation <DlvryLctn>	[0..1]	Text		915
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		915
	AdditionalInformation <AddtlInf>	[0..*]			915
	Identification <Id>	[1..1]	Text		916
	Value <Val>	[0..1]	Binary		916

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedValue <PrtctdVal>	[0..1]	±		916
	Type <Tp>	[0..1]	Text		916
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		916
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		917
	TransactionResponse <TxRspn>	[1..1]			917
	AuthorisationResult <AuthstnRslt>	[1..1]			920
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		920
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			920
	Response <Rspn>	[1..1]	CodeSet		921
	ResponseReason <RspnRsn>	[0..1]	Text		921
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		921
	AuthorisationCode <AuthstnCd>	[0..1]	Text		921
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		921
	TMSTrigger <TMSTrggr>	[0..1]			922
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		922
	TMSIdentification <TMSId>	[0..1]	Text		922
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		922
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			922
	Method <Mtd>	[1..1]	CodeSet		923
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		924
	Result <Rslt>	[0..1]	CodeSet		924
	AdditionalResult <AddtlRslt>	[0..1]	Text		924
	AllowedProductCode <AllwdPdctCd>	[0..*]			925
	ProductCode <PdctCd>	[1..1]	Text		925
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		925
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			925
	ProductCode <PdctCd>	[1..1]	Text		925
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		925
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			925
	ProductCode <PdctCd>	[1..1]	Text		926
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		926

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountLimit <AmtLmt>	[0..1]	Amount		926
	QuantityLimit <QtyLmt>	[0..1]	Quantity		926
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		926
	Balance <Bal>	[0..1]	±		928
	ProtectedBalance <PrctcdBal>	[0..1]	±		928
	Action <Actn>	[0..*]			929
	ActionType <ActnTp>	[1..1]	CodeSet		929
	MessageToPresent <MsgToPres>	[0..1]	±		930
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			930
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		931
	TargetCurrency <TrgtCcy>	[1..1]			932
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	932
	NumericCode <NmrcCd>	[1..1]	Text		932
	Decimal <Dcml>	[1..1]	Quantity		932
	Name <Nm>	[0..1]	Text		932
	ResultingAmount <RsltAmt>	[1..1]	Amount		933
	ExchangeRate <XchgRate>	[1..1]	Rate		933
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		933
	QuotationDate <QtnDt>	[0..1]	DateTime		933
	ValidUntil <VldUntil>	[0..1]	DateTime		933
	SourceCurrency <SrcCcy>	[1..1]			933
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	933
	NumericCode <NmrcCd>	[0..1]	Text		934
	Decimal <Dcml>	[0..1]	Quantity		934
	Name <Nm>	[0..1]	Text		934
	OriginalAmount <OrgnlAmt>	[1..1]			934
	ActualAmount <ActlAmt>	[0..1]	Amount		934
	MinimumAmount <MinAmt>	[0..1]	Amount		934
	MaximumAmount <MaxAmt>	[0..1]	Amount		935
	CommissionDetails <ComssnDtls>	[0..*]			935
	Amount <Amt>	[1..1]	Amount		935

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalInformation <AddtlInf>	[0..1]	Text		935
	MarkUpDetails <MrkUpDtls>	[0..*]			935
	Rate <Rate>	[1..1]	Rate		935
	AdditionalInformation <AddtlInf>	[0..1]	Text		936
	DeclarationDetails <DclrtnDtls>	[0..*]	±		936

#### 27.1.5.3.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Sequential counter of the transaction.

*Datatype:* "Max9NumericText" on page 1401

#### 27.1.5.3.2 Traceability <Tracblt>

*Presence:* [0..\*]

*Definition:* Identification of partners involved in the exchange from the merchant to the issuer, with the corresponding timestamp of their exchanges.

**Traceability <Tracblt>** contains the following elements (see "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

#### 27.1.5.3.3 Environment <Envvt>

*Presence:* [1..1]

*Definition:* Data related to the environment of the card payment transaction.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 27.1.5.3.4 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Card payment transaction authorisation result.

**Transaction <Tx>** contains the following **CardPaymentTransaction121** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		898
	TransactionIdentification <TxId>	[1..1]	±		898
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		898
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		898
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		898
	InterchangeData <IntrchgData>	[0..1]	Text		898
	TransactionDetails <TxDtls>	[1..1]			898
	Currency <Ccy>	[0..1]	CodeSet	C1	900
	TotalAmount <TtlAmt>	[1..1]	Amount		901
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		901
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		901
	DetailedAmount <DtldAmt>	[0..1]	±		901
	RequestedAmount <ReqdAmt>	[0..1]	Amount		902
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		902
	InvoiceAmount <InvcAmt>	[0..1]	Amount		902
	ValidityDate <VldtyDt>	[0..1]	Date		902
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		902
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		903
	AccountType <AcctTp>	[0..1]	CodeSet		903
	CurrencyConversionResult <CcyConvRslt>	[0..1]			904
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		906
	Conversion <Conv>	[0..1]			906
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		907
	TargetCurrency <TrgtCcy>	[1..1]			908
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	908
	NumericCode <NmrcCd>	[1..1]	Text		908
	Decimal <Dcml>	[1..1]	Quantity		908
	Name <Nm>	[0..1]	Text		908
	ResultingAmount <RsltgAmt>	[1..1]	Amount		908
	ExchangeRate <XchgRate>	[1..1]	Rate		909
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		909

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	QuotationDate <QtnDt>	[0..1]	DateTime		909
	ValidUntil <VldUntil>	[0..1]	DateTime		909
	SourceCurrency <SrcCcy>	[1..1]			909
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	909
	NumericCode <NmrcCd>	[0..1]	Text		910
	Decimal <Dcml>	[0..1]	Quantity		910
	Name <Nm>	[0..1]	Text		910
	OriginalAmount <OrgnlAmt>	[1..1]			910
	ActualAmount <ActlAmt>	[0..1]	Amount		910
	MinimumAmount <MinAmt>	[0..1]	Amount		910
	MaximumAmount <MaxAmt>	[0..1]	Amount		911
	CommissionDetails <ComssnDtls>	[0..*]			911
	Amount <Amt>	[1..1]	Amount		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	MarkUpDetails <MrkUpDtls>	[0..*]			911
	Rate <Rate>	[1..1]	Rate		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	DeclarationDetails <DclrtDtls>	[0..*]	±		912
	Instalment <Instlmt>	[0..*]	±		912
	AggregationTransaction <AggtnTx>	[0..1]	±		913
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		914
	SaleItem <SaleItm>	[0..*]	±		914
	DeliveryLocation <DlvryLctn>	[0..1]	Text		915
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		915
	AdditionalInformation <AddtlInf>	[0..*]			915
	Identification <Id>	[1..1]	Text		916
	Value <Val>	[0..1]	Binary		916
	ProtectedValue <PrctdVal>	[0..1]	±		916
	Type <Tp>	[0..1]	Text		916
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		916
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		917

**27.1.5.3.4.1 SaleReferenceIdentification <SaleRefId>***Presence:* [0..1]*Definition:* Global reference of the sale transaction for the sale system.*Datatype:* "Max35Text" on page 1399**27.1.5.3.4.2 TransactionIdentification <TxId>***Presence:* [1..1]*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).**TransactionIdentification <TxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**27.1.5.3.4.3 InitiatorTransactionIdentification <InitrTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.*Datatype:* "Max35Text" on page 1399**27.1.5.3.4.4 RecipientTransactionIdentification <RcptTxId>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.*Datatype:* "Max140Text" on page 1397**27.1.5.3.4.5 ReconciliationIdentification <RcncltnId>***Presence:* [0..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.*Datatype:* "Max35Text" on page 1399**27.1.5.3.4.6 InterchangeData <IntrchnngData>***Presence:* [0..1]*Definition:* Interchange information related to the card scheme.*Datatype:* "Max140Text" on page 1397**27.1.5.3.4.7 TransactionDetails <TxDtls>***Presence:* [1..1]*Definition:* Detail of the transaction transported.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	900
	TotalAmount <TtlAmt>	[1..1]	Amount		901
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		901
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		901
	DetailedAmount <DtldAmt>	[0..1]	±		901
	RequestedAmount <ReqdAmt>	[0..1]	Amount		902
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		902
	InvoiceAmount <InvcAmt>	[0..1]	Amount		902
	ValidityDate <VldtyDt>	[0..1]	Date		902
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		902
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		903
	AccountType <AcctTp>	[0..1]	CodeSet		903
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			904
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		906
	Conversion <Convs>	[0..1]			906
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		907
	TargetCurrency <TrgtCcy>	[1..1]			908
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	908
	NumericCode <NmrcCd>	[1..1]	Text		908
	Decimal <Dcml>	[1..1]	Quantity		908
	Name <Nm>	[0..1]	Text		908
	ResultingAmount <RsltgAmt>	[1..1]	Amount		908
	ExchangeRate <XchgRate>	[1..1]	Rate		909
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		909
	QuotationDate <QtnDt>	[0..1]	DateTime		909
	ValidUntil <VldUntil>	[0..1]	DateTime		909
	SourceCurrency <SrcCcy>	[1..1]			909
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	909
	NumericCode <NmrcCd>	[0..1]	Text		910
	Decimal <Dcml>	[0..1]	Quantity		910
	Name <Nm>	[0..1]	Text		910

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalAmount <OrgnlAmt>	[1..1]			910
	ActualAmount <ActlAmt>	[0..1]	Amount		910
	MinimumAmount <MinAmt>	[0..1]	Amount		910
	MaximumAmount <MaxAmt>	[0..1]	Amount		911
	CommissionDetails <ComssnDtls>	[0..*]			911
	Amount <Amt>	[1..1]	Amount		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	MarkUpDetails <MrkUpDtls>	[0..*]			911
	Rate <Rate>	[1..1]	Rate		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	DeclarationDetails <Dclrtndtls>	[0..*]	±		912
	Instalment <Instlmt>	[0..*]	±		912
	AggregationTransaction <AggtTx>	[0..1]	±		913
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		914
	SaleItem <Saleitm>	[0..*]	±		914
	DeliveryLocation <DlvryLctn>	[0..1]	Text		915
	ReSubmissionCounter <ReSubmissnCntr>	[0..1]	Quantity		915
	AdditionalInformation <AddtlInf>	[0..*]			915
	Identification <Id>	[1..1]	Text		916
	Value <Val>	[0..1]	Binary		916
	ProtectedValue <PrtctdVal>	[0..1]	±		916
	Type <Tp>	[0..1]	Text		916
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		916

#### 27.1.5.3.4.7.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217



Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 27.1.5.3.4.7.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.3.4.7.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.3.4.7.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 27.1.5.3.4.7.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 27.1.5.3.4.7.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.3.4.7.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.3.4.7.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.3.4.7.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 27.1.5.3.4.7.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.

CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

#### 27.1.5.3.4.7.11 UnattendedLevelCategory <UattnddLvlCtgy>

*Presence:* [0..1]

*Definition:* Transaction category level on an unattended POI (Point Of Interaction).

*Datatype:* "Max35NumericText" on page 1399

#### 27.1.5.3.4.7.12 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.

CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UURL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 27.1.5.3.4.7.13 CurrencyConversionResult <CcyConvsRslt>

*Presence:* [0..1]

*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		906
	Conversion <Convs>	[0..1]			906
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		907
	TargetCurrency <TrgtCcy>	[1..1]			908
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	908
	NumericCode <NmrcCd>	[1..1]	Text		908
	Decimal <Dcml>	[1..1]	Quantity		908
	Name <Nm>	[0..1]	Text		908
	ResultingAmount <RsltAmt>	[1..1]	Amount		908
	ExchangeRate <XchgRate>	[1..1]	Rate		909
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		909
	QuotationDate <QtnDt>	[0..1]	DateTime		909
	ValidUntil <VldUntil>	[0..1]	DateTime		909
	SourceCurrency <SrcCcy>	[1..1]			909
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	909
	NumericCode <NmrcCd>	[0..1]	Text		910
	Decimal <Dcml>	[0..1]	Quantity		910
	Name <Nm>	[0..1]	Text		910
	OriginalAmount <OrgnlAmt>	[1..1]			910
	ActualAmount <ActlAmt>	[0..1]	Amount		910
	MinimumAmount <MinAmt>	[0..1]	Amount		910
	MaximumAmount <MaxAmt>	[0..1]	Amount		911
	CommissionDetails <ComssnDtls>	[0..*]			911
	Amount <Amt>	[1..1]	Amount		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	MarkUpDetails <MrkUpDtls>	[0..*]			911
	Rate <Rate>	[1..1]	Rate		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	DeclarationDetails <DclrtnDtls>	[0..*]	±		912

**27.1.5.3.4.7.13.1 AcceptedByCardholder <AcptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**27.1.5.3.4.7.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		907
	TargetCurrency <TrgtCcy>	[1..1]			908
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	908
	NumericCode <NmrcCd>	[1..1]	Text		908
	Decimal <Dcml>	[1..1]	Quantity		908
	Name <Nm>	[0..1]	Text		908
	ResultingAmount <RsltgAmt>	[1..1]	Amount		908
	ExchangeRate <XchgRate>	[1..1]	Rate		909
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		909
	QuotationDate <QtnDt>	[0..1]	DateTime		909
	ValidUntil <VldUntil>	[0..1]	DateTime		909
	SourceCurrency <SrcCcy>	[1..1]			909
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	909
	NumericCode <NmrcCd>	[0..1]	Text		910
	Decimal <Dcml>	[0..1]	Quantity		910
	Name <Nm>	[0..1]	Text		910
	OriginalAmount <OrgnlAmt>	[1..1]			910
	ActualAmount <ActlAmt>	[0..1]	Amount		910
	MinimumAmount <MinAmt>	[0..1]	Amount		910
	MaximumAmount <MaxAmt>	[0..1]	Amount		911
	CommissionDetails <ComssnDtls>	[0..*]			911
	Amount <Amt>	[1..1]	Amount		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	MarkUpDetails <MrkUpDtls>	[0..*]			911
	Rate <Rate>	[1..1]	Rate		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911
	DeclarationDetails <Dclrtndtls>	[0..*]	±		912

#### 27.1.5.3.4.7.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**27.1.5.3.4.7.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	908
	NumericCode <NmrcCd>	[1..1]	Text		908
	Decimal <Dcml>	[1..1]	Quantity		908
	Name <Nm>	[0..1]	Text		908

**27.1.5.3.4.7.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.3.4.7.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**27.1.5.3.4.7.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**27.1.5.3.4.7.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**27.1.5.3.4.7.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.



*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **27.1.5.3.4.7.13.2.4 ExchangeRate <XchgRate>**

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.3.4.7.13.2.5 InvertedExchangeRate <NvtrdXchgRate>**

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.3.4.7.13.2.6 QuotationDate <QtnDt>**

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### **27.1.5.3.4.7.13.2.7 ValidUntil <VldUntil>**

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### **27.1.5.3.4.7.13.2.8 SourceCurrency <SrcCcy>**

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	909
	NumericCode <NmrcCd>	[0..1]	Text		910
	Decimal <Dcml>	[0..1]	Quantity		910
	Name <Nm>	[0..1]	Text		910

#### **27.1.5.3.4.7.13.2.8.1 AlphaCode <AlphaCd>**

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.3.4.7.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**27.1.5.3.4.7.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**27.1.5.3.4.7.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**27.1.5.3.4.7.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		910
	MinimumAmount <MinAmt>	[0..1]	Amount		910
	MaximumAmount <MaxAmt>	[0..1]	Amount		911

**27.1.5.3.4.7.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.3.4.7.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.3.4.7.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.3.4.7.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911

**27.1.5.3.4.7.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.3.4.7.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**27.1.5.3.4.7.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		911
	AdditionalInformation <AddtlInf>	[0..1]	Text		911

**27.1.5.3.4.7.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**27.1.5.3.4.7.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1398

#### 27.1.5.3.4.7.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCdBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCdVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCdNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCdErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 27.1.5.3.4.7.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 27.1.5.3.4.7.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "AggregationTransaction3" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 27.1.5.3.4.7.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "Max10Text" on page 1396

#### 27.1.5.3.4.7.17 SaleItem <Saleitm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 27.1.5.3.4.7.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.3.4.7.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 27.1.5.3.4.7.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		916
	Value <Val>	[0..1]	Binary		916
	ProtectedValue <PrctcdVal>	[0..1]	±		916
	Type <Tp>	[0..1]	Text		916

#### 27.1.5.3.4.7.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.5.3.4.7.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 27.1.5.3.4.7.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 27.1.5.3.4.7.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.5.3.4.7.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338



**27.1.5.3.4.8 MerchantReferenceData <MrchntRefData>**

*Presence:* [0..1]

*Definition:* Merchant related information provided in the request.

*Datatype:* "Max70Text" on page 1400

**27.1.5.3.5 TransactionResponse <TxRspn>**

*Presence:* [1..1]

*Definition:* Response to the authorisation request from the acquirer.

**TransactionResponse <TxRspn>** contains the following **CardPaymentTransaction114** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationResult <AuthstnRslt>	[1..1]			920
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		920
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			920
	Response <Rspn>	[1..1]	CodeSet		921
	ResponseReason <RspnRsn>	[0..1]	Text		921
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		921
	AuthorisationCode <AuthstnCd>	[0..1]	Text		921
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		921
	TMSTrigger <TMSTrggr>	[0..1]			922
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		922
	TMSIdentification <TMSId>	[0..1]	Text		922
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		922
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			922
	Method <Mtd>	[1..1]	CodeSet		923
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		924
	Result <Rslt>	[0..1]	CodeSet		924
	AdditionalResult <AddtlRslt>	[0..1]	Text		924
	AllowedProductCode <AllwdPdctCd>	[0..*]			925
	ProductCode <PdctCd>	[1..1]	Text		925
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		925
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			925
	ProductCode <PdctCd>	[1..1]	Text		925
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		925
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			925
	ProductCode <PdctCd>	[1..1]	Text		926
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		926
	AmountLimit <AmtLmt>	[0..1]	Amount		926
	QuantityLimit <QtyLmt>	[0..1]	Quantity		926
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		926
	Balance <Bal>	[0..1]	±		928
	ProtectedBalance <PrctdBal>	[0..1]	±		928

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Action <Actn>	[0..*]			929
	ActionType <ActnTp>	[1..1]	CodeSet		929
	MessageToPresent <MsgToPres>	[0..1]	±		930
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			930
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		931
	TargetCurrency <TrgtCcy>	[1..1]			932
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	932
	NumericCode <NmrcCd>	[1..1]	Text		932
	Decimal <Dcml>	[1..1]	Quantity		932
	Name <Nm>	[0..1]	Text		932
	ResultingAmount <RsltgAmt>	[1..1]	Amount		933
	ExchangeRate <XchgRate>	[1..1]	Rate		933
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		933
	QuotationDate <QtnDt>	[0..1]	DateTime		933
	ValidUntil <VldUntil>	[0..1]	DateTime		933
	SourceCurrency <SrcCcy>	[1..1]			933
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	933
	NumericCode <NmrcCd>	[0..1]	Text		934
	Decimal <Dcml>	[0..1]	Quantity		934
	Name <Nm>	[0..1]	Text		934
	OriginalAmount <OrgnlAmt>	[1..1]			934
	ActualAmount <ActlAmt>	[0..1]	Amount		934
	MinimumAmount <MinAmt>	[0..1]	Amount		934
	MaximumAmount <MaxAmt>	[0..1]	Amount		935
	CommissionDetails <ComssnDtls>	[0..*]			935
	Amount <Amt>	[1..1]	Amount		935
	AdditionalInformation <AddtlInf>	[0..1]	Text		935
	MarkUpDetails <MrkUpDtls>	[0..*]			935
	Rate <Rate>	[1..1]	Rate		935
	AdditionalInformation <AddtlInf>	[0..1]	Text		936
	DeclarationDetails <DclrtnDtls>	[0..*]	±		936

**27.1.5.3.5.1 AuthorisationResult <AuthstnRslt>***Presence:* [1..1]*Definition:* Outcome of the authorisation, and actions to perform.**AuthorisationResult <AuthstnRslt>** contains the following **AuthorisationResult17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		920
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			920
	Response <Rspn>	[1..1]	CodeSet		921
	ResponseReason <RspnRsn>	[0..1]	Text		921
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		921
	AuthorisationCode <AuthstnCd>	[0..1]	Text		921
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		921
	TMSTrigger <TMSTrggr>	[0..1]			922
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		922
	TMSIdentification <TMSId>	[0..1]	Text		922
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		922

**27.1.5.3.5.1.1 AuthorisationEntity <AuthstnNtty>***Presence:* [0..1]*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

**27.1.5.3.5.1.2 ResponseToAuthorisation <RspnToAuthstn>***Presence:* [1..1]*Definition:* Response to an authorisation request.

**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		921
	ResponseReason <RspnRsn>	[0..1]	Text		921
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		921

#### 27.1.5.3.5.1.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the transaction.

*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 27.1.5.3.5.1.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.3.5.1.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information on the response for further examination.

*Datatype:* "Max140Text" on page 1397

#### 27.1.5.3.5.1.3 AuthorisationCode <AuthstnCd>

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1401

#### 27.1.5.3.5.1.4 CompletionRequired <CmpltnReqrd>

*Presence:* [0..1]

*Definition:* Indicates whether the acquirer requires a further exchange completion after the completion of the transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.5.3.5.1.5 TMSTrigger <TMSTrgr>

*Presence:* [0..1]

*Definition:* Instructs the point of interaction (POI) how to contact the host to initiate the maintenance of the terminal.

**TMSTrigger <TMSTrgr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		922
	TMSIdentification <TMSId>	[0..1]	Text		922
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		922

#### 27.1.5.3.5.1.5.1 TMSContactLevel <TMSCtctLvl>

*Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

#### 27.1.5.3.5.1.5.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.3.5.1.5.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODateTime" on page 1392

#### 27.1.5.3.5.2 TransactionVerificationResult <TxVrfctnRsIt>

*Presence:* [0..\*]

*Definition:* Result of the verifications performed by the issuer to deliver or decline the authorisation.

**TransactionVerificationResult <TxVrfctnRsIt>** contains the following **TransactionVerificationResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		923
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		924
	Result <RsIt>	[0..1]	CodeSet		924
	AdditionalResult <AddtlRsIt>	[0..1]	Text		924

#### 27.1.5.3.5.2.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod6Code" on page 1350

CodeName	Name	Definition
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
PPSG	PaperSignature	Handwritten paper signature.
PSWD	Password	Authentication by a password.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
ADDB	BillingAddressVerification	Cardholder billing address verification.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
MANU	ManualVerification	Manual verification, for example passport or drivers license.

CodeName	Name	Definition
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

#### 27.1.5.3.5.2.2 VerificationEntity <VrfctnNtty>

*Presence:* [0..1]

*Definition:* Entity or device that has performed the verification.

*Datatype:* "AuthenticationEntity2Code" on page 1350

CodeName	Name	Definition
ICCD	ICC	Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification.
AGNT	AuthorisedAgent	Authorisation agent of the issuer.
MERC	Merchant	Merchant (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

#### 27.1.5.3.5.2.3 Result <Rslt>

*Presence:* [0..1]

*Definition:* Result of the verification.

*Datatype:* "Verification1Code" on page 1391

CodeName	Name	Definition
FAIL	Failed	Verification failed.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

#### 27.1.5.3.5.2.4 AdditionalResult <AddtlRslt>

*Presence:* [0..1]

*Definition:* Additional result of the verification.

*Datatype:* "Max500Text" on page 1400



**27.1.5.3.5.3 AllowedProductCode <AllwdPdctCd>***Presence:* [0..\*]*Definition:* Product code which are allowed by the payment card.**AllowedProductCode <AllwdPdctCd>** contains the following **Product4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[1..1]	Text		925
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		925

**27.1.5.3.5.3.1 ProductCode <PdctCd>***Presence:* [1..1]*Definition:* Product code.*Datatype:* "Max70Text" on page 1400**27.1.5.3.5.3.2 AdditionalProductCode <AddtlPdctCd>***Presence:* [0..1]*Definition:* Additional product code related to the product.*Datatype:* "Max70Text" on page 1400**27.1.5.3.5.4 NotAllowedProductCode <NotAllwdPdctCd>***Presence:* [0..\*]*Definition:* Product code not allowed by the payment card.**NotAllowedProductCode <NotAllwdPdctCd>** contains the following **Product4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[1..1]	Text		925
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		925

**27.1.5.3.5.4.1 ProductCode <PdctCd>***Presence:* [1..1]*Definition:* Product code.*Datatype:* "Max70Text" on page 1400**27.1.5.3.5.4.2 AdditionalProductCode <AddtlPdctCd>***Presence:* [0..1]*Definition:* Additional product code related to the product.*Datatype:* "Max70Text" on page 1400**27.1.5.3.5.5 AdditionalAvailableProduct <AddtlAvlblPdct>***Presence:* [0..\*]*Definition:* Products that may be added to the purchase after the authorisation.

**AdditionalAvailableProduct <AddtlAvlblPdct>** contains the following **Product5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[1..1]	Text		926
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		926
	AmountLimit <AmtLmt>	[0..1]	Amount		926
	QuantityLimit <QtyLmt>	[0..1]	Quantity		926
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		926

#### 27.1.5.3.5.5.1 ProductCode <PdctCd>

*Presence:* [1..1]

*Definition:* Product code of the item.

*Datatype:* "Max70Text" on page 1400

#### 27.1.5.3.5.5.2 AdditionalProductCode <AddtlPdctCd>

*Presence:* [0..1]

*Definition:* Additional product code related to the product.

*Datatype:* "Max70Text" on page 1400

#### 27.1.5.3.5.5.3 AmountLimit <AmtLmt>

*Presence:* [0..1]

*Definition:* Amount limit for the product.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.3.5.5.4 QuantityLimit <QtyLmt>

*Presence:* [0..1]

*Definition:* Quantity limit for the product.

*Datatype:* "DecimalNumber" on page 1394

#### 27.1.5.3.5.5.5 UnitOfMeasure <UnitOfMeasr>

*Presence:* [0..1]

*Definition:* Unit of measure of the item purchased.

*Datatype:* "UnitOfMeasure6Code" on page 1389

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.

CodeName	Name	Definition
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
INCH	Inch	Measure of length equal to 2.54 cm.
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.

CodeName	Name	Definition
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.
KWHO	KilowattHours	Unit of measure that is equal to the power consumption of one kilowatt during one hour.
DGEU	DieselGallonEquivalent	Amount of fuel alternative equal to one gallon of diesel.
GGEU	GasolineGallonEquivalent	Amount of fuel alternative equal to one gallon of gasoline.

#### 27.1.5.3.5.6 Balance <Bal>

*Presence:* [0..1]

*Definition:* Balance and currency code of the account, related to the payment.

**Balance <Bal>** contains the following elements (see "[AmountAndDirection93](#)" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[1..1]	CodeSet	C1	857
	Sign <Sgn>	[0..1]	Indicator		858

#### 27.1.5.3.5.7 ProtectedBalance <PrctcdBal>

*Presence:* [0..1]

*Definition:* Encrypted balance of the account.

**ProtectedBalance <PrctcdBal>** contains the following elements (see "[ContentInformationType32](#)" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

**27.1.5.3.5.8 Action <Actn>***Presence:* [0..\*]*Definition:* Set of actions to be performed by the POI (Point Of Interaction) system.**Action <Actn>** contains the following **Action12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		929
	MessageToPresent <MsgToPres>	[0..1]	±		930

**27.1.5.3.5.8.1 ActionType <ActnTp>***Presence:* [1..1]*Definition:* Type of action to be performed by the POI (Point Of Interaction) system.*Datatype:* "ActionType12Code" on page 1340

CodeName	Name	Definition
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
NOVR	ForbidOverride	Payment application cannot propose to the merchant an override of the payment transaction.
RQID	IdentificationRequired	Additional identification required (passport, ID card, etc.).
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
PRNT	PrintMessage	Print a message.
RFRL	Referral	Referral has to be performed.
RQDT	RequestData	Request additional data through a displayed text and request confirmation by an attendant.
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FLFW	FallForward	Fall-forward from contactless to chip card transaction required.
PINQ	PINRequest	Request Cardholder Authentication through PIN insertion.
CDCV	ConsumerDeviceCardholderVerificationMethod	Request Cardholder Authentication according to the ConsumerDeviceCardholderVerification Method.
CHDA	CardholderAuthentication	Additional authentication of cardholder required.

CodeName	Name	Definition
STAR	StopAllRecurring	Recurring transactions is no more allowed for this card and for all merchants.
STOR	StopOneRecurring	Cardholder has revoked this recurring transaction for this merchant.

#### 27.1.5.3.5.8.2 MessageToPresent <MsgToPres>

*Presence:* [0..1]

*Definition:* Message to be displayed to the cardholder or the cashier.

**MessageToPresent <MsgToPres>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 27.1.5.3.5.9 CurrencyConversionEligibility <CcyConvseElgblty>

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a card issuer, provided by a dedicated service provider. The currency conversion has to be proposed to the cardholder.

**CurrencyConversionEligibility <CcyConvslElgblty>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		931
	TargetCurrency <TrgtCcy>	[1..1]			932
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	932
	NumericCode <NmrcCd>	[1..1]	Text		932
	Decimal <Dcml>	[1..1]	Quantity		932
	Name <Nm>	[0..1]	Text		932
	ResultingAmount <RsltgAmt>	[1..1]	Amount		933
	ExchangeRate <XchgRate>	[1..1]	Rate		933
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		933
	QuotationDate <QtnDt>	[0..1]	DateTime		933
	ValidUntil <VldUntil>	[0..1]	DateTime		933
	SourceCurrency <SrcCcy>	[1..1]			933
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	933
	NumericCode <NmrcCd>	[0..1]	Text		934
	Decimal <Dcml>	[0..1]	Quantity		934
	Name <Nm>	[0..1]	Text		934
	OriginalAmount <OrgnlAmt>	[1..1]			934
	ActualAmount <ActlAmt>	[0..1]	Amount		934
	MinimumAmount <MinAmt>	[0..1]	Amount		934
	MaximumAmount <MaxAmt>	[0..1]	Amount		935
	CommissionDetails <ComssnDtls>	[0..*]			935
	Amount <Amt>	[1..1]	Amount		935
	AdditionalInformation <AddtlInf>	[0..1]	Text		935
	MarkUpDetails <MrkUpDtls>	[0..*]			935
	Rate <Rate>	[1..1]	Rate		935
	AdditionalInformation <AddtlInf>	[0..1]	Text		936
	DeclarationDetails <DclrtDtls>	[0..*]	±		936

#### 27.1.5.3.5.9.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.3.5.9.2 TargetCurrency <TrgtCcy>

*Presence:* [1..1]

*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).

**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	932
	NumericCode <NmrcCd>	[1..1]	Text		932
	Decimal <Dcml>	[1..1]	Quantity		932
	Name <Nm>	[0..1]	Text		932

##### 27.1.5.3.5.9.2.1 AlphaCode <AlphaCd>

*Presence:* [1..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

##### 27.1.5.3.5.9.2.2 NumericCode <NmrcCd>

*Presence:* [1..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

##### 27.1.5.3.5.9.2.3 Decimal <Dcml>

*Presence:* [1..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

##### 27.1.5.3.5.9.2.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399



**27.1.5.3.5.9.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.3.5.9.4 ExchangeRate <XchgRate>***Presence:* [1..1]*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.*Datatype:* "PercentageRate" on page 1395**27.1.5.3.5.9.5 InvertedExchangeRate <NvrtdXchgRate>***Presence:* [0..1]*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.*Datatype:* "PercentageRate" on page 1395**27.1.5.3.5.9.6 QuotationDate <QtnDt>***Presence:* [0..1]*Definition:* Date and time at which the exchange rate has been quoted.*Datatype:* "ISODateTime" on page 1392**27.1.5.3.5.9.7 ValidUntil <VldUntil>***Presence:* [0..1]*Definition:* Validity limit of the exchange rate.*Datatype:* "ISODateTime" on page 1392**27.1.5.3.5.9.8 SourceCurrency <SrcCcy>***Presence:* [1..1]*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	933
	NumericCode <NmrcCd>	[0..1]	Text		934
	Decimal <Dcml>	[0..1]	Quantity		934
	Name <Nm>	[0..1]	Text		934

**27.1.5.3.5.9.8.1 AlphaCode <AlphaCd>***Presence:* [0..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### **Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### **27.1.5.3.5.9.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

#### **27.1.5.3.5.9.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

#### **27.1.5.3.5.9.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

#### **27.1.5.3.5.9.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		934
	MinimumAmount <MinAmt>	[0..1]	Amount		934
	MaximumAmount <MaxAmt>	[0..1]	Amount		935

#### **27.1.5.3.5.9.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **27.1.5.3.5.9.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

#### 27.1.5.3.5.9.3 MaximumAmount <MaxAmt>

*Presence:* [0..1]

*Definition:* Maximum amount for conversion (in case of range of amounts).

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

#### 27.1.5.3.5.9.10 CommissionDetails <ComssnDtls>

*Presence:* [0..\*]

*Definition:* Commission or additional charges made as part of a currency conversion.

**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		935
	AdditionalInformation <AddtlInf>	[0..1]	Text		935

##### 27.1.5.3.5.9.10.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Commission expressed as an amount of money.

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

##### 27.1.5.3.5.9.10.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information about the type of commission.

*Datatype:* ["Max350Text" on page 1398](#)

#### 27.1.5.3.5.9.11 MarkupDetails <MrkUpDtls>

*Presence:* [0..\*]

*Definition:* Markup made as part of a currency conversion.

**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		935
	AdditionalInformation <AddtlInf>	[0..1]	Text		936

##### 27.1.5.3.5.9.11.1 Rate <Rate>

*Presence:* [1..1]

*Definition:* Commission expressed as a percentage.

*Datatype:* ["PercentageRate" on page 1395](#)

**27.1.5.3.5.9.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.*Datatype:* "Max350Text" on page 1398**27.1.5.3.5.9.12 DeclarationDetails <Dclrtndtls>***Presence:* [0..\*]*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.**DeclarationDetails <Dclrtndtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

**27.1.5.4 CardPaymentDataSetTransaction40***Definition:* Card payment transaction to be authorised in a batch.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionSequenceCounter <TxSeqCntr>	[1..1]	Text		940
	Traceability <Tracblt>	[0..*]	±		940
	Environment <Envt>	[1..1]	±		941
	Context <Cntxt>	[0..1]	±		947
	Transaction <Tx>	[1..1]			950
	TransactionCapture <TxCaptr>	[1..1]	Indicator		954
	TransactionType <TxTp>	[0..1]	CodeSet		954
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		955
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		956
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		956
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		956
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		957
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		957
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		957
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		957
	TransactionIdentification <TxId>	[1..1]	±		957
	OriginalTransaction <OrgnlTx>	[0..1]	±		957
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		958
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		958
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		958
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		959
	TransactionDetails <TxDtls>	[1..1]			959
	Currency <Ccy>	[0..1]	CodeSet	C1	961
	TotalAmount <TtlAmt>	[1..1]	Amount		962
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		962
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		962
	DetailedAmount <DtldAmt>	[0..1]	±		962
	RequestedAmount <ReqdAmt>	[0..1]	Amount		963
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		963
	InvoiceAmount <InvcAmt>	[0..1]	Amount		963
	ValidityDate <VldtyDt>	[0..1]	Date		963

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		963
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		964
	AccountType <AcctTp>	[0..1]	CodeSet		964
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			965
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		967
	Conversion <Convs>	[0..1]			967
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		968
	TargetCurrency <TrgtCcy>	[1..1]			969
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	969
	NumericCode <NmrcCd>	[1..1]	Text		969
	Decimal <Dcml>	[1..1]	Quantity		969
	Name <Nm>	[0..1]	Text		969
	ResultingAmount <RsltAmt>	[1..1]	Amount		969
	ExchangeRate <XchgRate>	[1..1]	Rate		970
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		970
	QuotationDate <QtnDt>	[0..1]	DateTime		970
	ValidUntil <VldUntil>	[0..1]	DateTime		970
	SourceCurrency <SrcCcy>	[1..1]			970
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	970
	NumericCode <NmrcCd>	[0..1]	Text		971
	Decimal <Dcml>	[0..1]	Quantity		971
	Name <Nm>	[0..1]	Text		971
	OriginalAmount <OrgnlAmt>	[1..1]			971
	ActualAmount <ActlAmt>	[0..1]	Amount		971
	MinimumAmount <MinAmt>	[0..1]	Amount		971
	MaximumAmount <MaxAmt>	[0..1]	Amount		972
	CommissionDetails <ComssnDtls>	[0..*]			972
	Amount <Amt>	[1..1]	Amount		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	MarkupDetails <MrkUpDtls>	[0..*]			972
	Rate <Rate>	[1..1]	Rate		972

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	DeclarationDetails <DclrtnDtls>	[0..*]	±		973
	Instalment <Instlmt>	[0..*]	±		973
	AggregationTransaction <AggtnTx>	[0..1]	±		974
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		975
	SaleItem <Saleitm>	[0..*]	±		975
	DeliveryLocation <DlvryLctn>	[0..1]	Text		976
	ReSubmissionCounter <ReSubmissnCntr>	[0..1]	Quantity		976
	AdditionalInformation <AddtlInf>	[0..*]			976
	Identification <Id>	[1..1]	Text		977
	Value <Val>	[0..1]	Binary		977
	ProtectedValue <PrctcdVal>	[0..1]	±		977
	Type <Tp>	[0..1]	Text		977
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		977
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		978
	AccountFrom <AcctFr>	[0..1]			978
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		978
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		979
	AccountName <AcctNm>	[0..1]	Text		980
	AccountOwner <AcctOwnr>	[0..1]			980
	Name <Nm>	[1..1]	Text		980
	Address <Adr>	[1..1]	±		980
	Currency <Ccy>	[0..1]	CodeSet	C1	981
	AccountIdentifier <Acctldr>	[0..1]			981
{Or	Card <Card>	[1..1]	Text		982
Or	MSISDN <MSISDN>	[1..1]	Text		982
Or	EMail <EMail>	[1..1]	Text		982
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	982
Or	BBAN <BBAN>	[1..1]	IdentifierSet		983
Or	UPIC <UPIC>	[1..1]	IdentifierSet		983
Or	Domestic <Dmst>	[1..1]	Text		983

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	Other <Othr>	[1..1]	Text		983
	Servicer <Svcr>	[0..1]			983
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	983
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		984
	AccountTo <AcctTo>	[0..1]			984
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		985
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		986
	AccountName <AcctNm>	[0..1]	Text		986
	AccountOwner <AcctOwnr>	[0..1]			987
	Name <Nm>	[1..1]	Text		987
	Address <Adr>	[1..1]	±		987
	Currency <Ccy>	[0..1]	CodeSet	C1	987
	AccountIdentifier <AcctIdr>	[0..1]			988
{Or	Card <Card>	[1..1]	Text		988
Or	MSISDN <MSISDN>	[1..1]	Text		988
Or	EMail <EMail>	[1..1]	Text		988
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	988
Or	BBAN <BBAN>	[1..1]	IdentifierSet		989
Or	UPIC <UPIC>	[1..1]	IdentifierSet		989
Or	Domestic <Dmst>	[1..1]	Text		989
Or}	Other <Othr>	[1..1]	Text		989
	Servicer <Svcr>	[0..1]			989
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	990
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		990
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		990

#### 27.1.5.4.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Sequential counter of the transaction.

*Datatype:* "Max9NumericText" on page 1401

#### 27.1.5.4.2 Traceability <Tracblt>

*Presence:* [0..\*]



*Definition:* Identification of partners involved in the exchange from the merchant to the issuer, with the corresponding timestamp of their exchanges.

**Traceability <Tracblt>** contains the following elements (see "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

#### 27.1.5.4.3 Environment <Envt>

*Presence:* [1..1]

*Definition:* Data related to the environment of the card payment transaction to authorise.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <Crdhldrld>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <Drvrld>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScfSctyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxldNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 27.1.5.4.4 Context <Cntxt>

*Presence:* [0..1]

*Definition:* Context in which the transaction is performed (payment and sale).

**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpptdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

#### 27.1.5.4.5 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Card payment transaction to authorise.

**Transaction <Tx>** contains the following **CardPaymentTransaction119** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[1..1]	Indicator		954
	TransactionType <TxTp>	[0..1]	CodeSet		954
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		955
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		956
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		956
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		956
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		957
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		957
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		957
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		957
	TransactionIdentification <TxId>	[1..1]	±		957
	OriginalTransaction <OrgnlTx>	[0..1]	±		957
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		958
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		958
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		958
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		959
	TransactionDetails <TxDtls>	[1..1]			959
	Currency <Ccy>	[0..1]	CodeSet	C1	961
	TotalAmount <TtlAmt>	[1..1]	Amount		962
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		962
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		962
	DetailedAmount <DtldAmt>	[0..1]	±		962
	RequestedAmount <ReqdAmt>	[0..1]	Amount		963
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		963
	InvoiceAmount <InvcAmt>	[0..1]	Amount		963
	ValidityDate <VldtyDt>	[0..1]	Date		963
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		963
	UnattendedLevelCategory <UatnddLv/Ctgy>	[0..1]	Text		964
	AccountType <AcctTp>	[0..1]	CodeSet		964
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			965
	AcceptedByCardholder <AccptdByCrhdldr>	[0..1]	Indicator		967

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Conversion <Convs>	[0..1]			967
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		968
	TargetCurrency <TrgtCcy>	[1..1]			969
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	969
	NumericCode <NmrcCd>	[1..1]	Text		969
	Decimal <Dcml>	[1..1]	Quantity		969
	Name <Nm>	[0..1]	Text		969
	ResultingAmount <RsltAmt>	[1..1]	Amount		969
	ExchangeRate <XchgRate>	[1..1]	Rate		970
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		970
	QuotationDate <QtnDt>	[0..1]	DateTime		970
	ValidUntil <VldUntil>	[0..1]	DateTime		970
	SourceCurrency <SrcCcy>	[1..1]			970
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	970
	NumericCode <NmrcCd>	[0..1]	Text		971
	Decimal <Dcml>	[0..1]	Quantity		971
	Name <Nm>	[0..1]	Text		971
	OriginalAmount <OrgnlAmt>	[1..1]			971
	ActualAmount <ActlAmt>	[0..1]	Amount		971
	MinimumAmount <MinAmt>	[0..1]	Amount		971
	MaximumAmount <MaxAmt>	[0..1]	Amount		972
	CommissionDetails <ComssnDtls>	[0..*]			972
	Amount <Amt>	[1..1]	Amount		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	MarkUpDetails <MrkUpDtls>	[0..*]			972
	Rate <Rate>	[1..1]	Rate		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	DeclarationDetails <Dclrtndtls>	[0..*]	±		973
	Instalment <Instlmt>	[0..*]	±		973
	AggregationTransaction <AggtnTx>	[0..1]	±		974
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		975

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItem <SaleItm>	[0..*]	±		975
	DeliveryLocation <DlvryLctn>	[0..1]	Text		976
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		976
	AdditionalInformation <AddtlInf>	[0..*]			976
	Identification <Id>	[1..1]	Text		977
	Value <Val>	[0..1]	Binary		977
	ProtectedValue <PrctcdVal>	[0..1]	±		977
	Type <Tp>	[0..1]	Text		977
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		977
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		978
	AccountFrom <AcctFr>	[0..1]			978
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		978
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		979
	AccountName <AcctNm>	[0..1]	Text		980
	AccountOwner <AcctOwnr>	[0..1]			980
	Name <Nm>	[1..1]	Text		980
	Address <Adr>	[1..1]	±		980
	Currency <Ccy>	[0..1]	CodeSet	C1	981
	AccountIdentifier <Acctldr>	[0..1]			981
{Or	Card <Card>	[1..1]	Text		982
Or	MSISDN <MSISDN>	[1..1]	Text		982
Or	EMail <EMail>	[1..1]	Text		982
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	982
Or	BBAN <BBAN>	[1..1]	IdentifierSet		983
Or	UPIC <UPIC>	[1..1]	IdentifierSet		983
Or	Domestic <Dmst>	[1..1]	Text		983
Or}	Other <Othr>	[1..1]	Text		983
	Servicer <Svcr>	[0..1]			983
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	983
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		984
	AccountTo <AcctTo>	[0..1]			984

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		985
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		986
	AccountName <AcctNm>	[0..1]	Text		986
	AccountOwner <AcctOwnr>	[0..1]			987
	Name <Nm>	[1..1]	Text		987
	Address <Adr>	[1..1]	±		987
	Currency <Ccy>	[0..1]	CodeSet	C1	987
	AccountIdentifier <AcctIdr>	[0..1]			988
{Or	Card <Card>	[1..1]	Text		988
Or	MSISDN <MSISDN>	[1..1]	Text		988
Or	EMail <EMail>	[1..1]	Text		988
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	988
Or	BBAN <BBAN>	[1..1]	IdentifierSet		989
Or	UPIC <UPIC>	[1..1]	IdentifierSet		989
Or	Domestic <Dmst>	[1..1]	Text		989
Or}	Other <Othr>	[1..1]	Text		989
	Servicer <Svcr>	[0..1]			989
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	990
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		990
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		990

#### 27.1.5.4.5.1 TransactionCapture <TxCaptr>

*Presence:* [1..1]

*Definition:* Flag indicating whether the transaction data must be captured or not in addition to the message process.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.5.4.5.2 TransactionType <TxTp>

*Presence:* [0..1]

*Definition:* Type of transaction being undertaken for the main service.

*Datatype:* "CardPaymentServiceType12Code" on page 1357

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

#### 27.1.5.4.5.3 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.

CodeName	Name	Definition
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 27.1.5.4.5.4 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 27.1.5.4.5.5 LastTransactionFlag <LastTxFlg>

*Presence:* [0..1]

*Definition:* Flag indicating processing of the last transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.5.4.5.6 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [0..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402



**27.1.5.4.5.7 CustomerConsent <CstmrCnsnt>***Presence:* [0..1]*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**27.1.5.4.5.8 CardProgrammeProposed <CardPrgrmmPropsd>***Presence:* [0..\*]*Definition:* The card program proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.*Datatype:* ["Max35Text"](#) on page 1399**27.1.5.4.5.9 CardProgrammeApplied <CardPrgrmmApld>***Presence:* [0..1]*Definition:* The card program actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.*Datatype:* ["Max35Text"](#) on page 1399**27.1.5.4.5.10 SaleReferenceIdentification <SaleRefId>***Presence:* [0..1]*Definition:* Global reference of the sale transaction for the sale system.*Datatype:* ["Max35Text"](#) on page 1399**27.1.5.4.5.11 TransactionIdentification <TxId>***Presence:* [1..1]*Definition:* Identification of the transaction assigned by the POI (Point Of Interaction).**TransactionIdentification <TxId>** contains the following elements (see ["TransactionIdentifier1"](#) on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**27.1.5.4.5.12 OriginalTransaction <OrgnlTx>***Presence:* [0..1]*Definition:* Identification of the original transaction.

**OriginalTransaction <OrgnITx>** contains the following elements (see "[CardPaymentTransaction122](#)" on page 1089 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIID>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 27.1.5.4.5.13 InitiatorTransactionIdentification <InitrTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* "[Max35Text](#)" on page 1399

#### 27.1.5.4.5.14 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* "[Max35Text](#)" on page 1399

#### 27.1.5.4.5.15 IssuerCITIdentification <IssrCITId>

*Presence:* [0..1]

*Definition:* Identification, given by the Issuer, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "[Max140Text](#)" on page 1397

**27.1.5.4.5.16 MerchantCITIdentification <MrchntCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the merchant, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

**27.1.5.4.5.17 TransactionDetails <TxDtIs>**

*Presence:* [1..1]

*Definition:* Details of the transaction.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	961
	TotalAmount <TtlAmt>	[1..1]	Amount		962
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		962
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		962
	DetailedAmount <DtldAmt>	[0..1]	±		962
	RequestedAmount <ReqdAmt>	[0..1]	Amount		963
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		963
	InvoiceAmount <InvcAmt>	[0..1]	Amount		963
	ValidityDate <VldtyDt>	[0..1]	Date		963
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		963
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		964
	AccountType <AcctTp>	[0..1]	CodeSet		964
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			965
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		967
	Conversion <Convs>	[0..1]			967
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		968
	TargetCurrency <TrgtCcy>	[1..1]			969
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	969
	NumericCode <NmrcCd>	[1..1]	Text		969
	Decimal <Dcml>	[1..1]	Quantity		969
	Name <Nm>	[0..1]	Text		969
	ResultingAmount <RsltgAmt>	[1..1]	Amount		969
	ExchangeRate <XchgRate>	[1..1]	Rate		970
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		970
	QuotationDate <QtnDt>	[0..1]	DateTime		970
	ValidUntil <VldUntil>	[0..1]	DateTime		970
	SourceCurrency <SrcCcy>	[1..1]			970
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	970
	NumericCode <NmrcCd>	[0..1]	Text		971
	Decimal <Dcml>	[0..1]	Quantity		971
	Name <Nm>	[0..1]	Text		971

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalAmount <OrgnlAmt>	[1..1]			971
	ActualAmount <ActlAmt>	[0..1]	Amount		971
	MinimumAmount <MinAmt>	[0..1]	Amount		971
	MaximumAmount <MaxAmt>	[0..1]	Amount		972
	CommissionDetails <ComssnDtls>	[0..*]			972
	Amount <Amt>	[1..1]	Amount		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	MarkUpDetails <MrkUpDtls>	[0..*]			972
	Rate <Rate>	[1..1]	Rate		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	DeclarationDetails <DclrtDtls>	[0..*]	±		973
	Instalment <Instlmt>	[0..*]	±		973
	AggregationTransaction <AggtTx>	[0..1]	±		974
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		975
	SaleItem <Saleitm>	[0..*]	±		975
	DeliveryLocation <DlvryLctn>	[0..1]	Text		976
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		976
	AdditionalInformation <AddtlInf>	[0..*]			976
	Identification <Id>	[1..1]	Text		977
	Value <Val>	[0..1]	Binary		977
	ProtectedValue <PrtctdVal>	[0..1]	±		977
	Type <Tp>	[0..1]	Text		977
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		977

#### 27.1.5.4.5.17.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 27.1.5.4.5.17.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.4.5.17.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.4.5.17.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 27.1.5.4.5.17.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 27.1.5.4.5.17.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.4.5.17.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.4.5.17.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.4.5.17.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 27.1.5.4.5.17.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.

CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

#### 27.1.5.4.5.17.11 UnattendedLevelCategory <UattnddLvlCtgy>

*Presence:* [0..1]

*Definition:* Transaction category level on an unattended POI (Point Of Interaction).

*Datatype:* "Max35NumericText" on page 1399

#### 27.1.5.4.5.17.12 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.



CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 27.1.5.4.5.17.13 CurrencyConversionResult <CcyConvsRslt>

*Presence:* [0..1]

*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		967
	Conversion <Convs>	[0..1]			967
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		968
	TargetCurrency <TrgtCcy>	[1..1]			969
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	969
	NumericCode <NmrcCd>	[1..1]	Text		969
	Decimal <Dcml>	[1..1]	Quantity		969
	Name <Nm>	[0..1]	Text		969
	ResultingAmount <RsltAmt>	[1..1]	Amount		969
	ExchangeRate <XchgRate>	[1..1]	Rate		970
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		970
	QuotationDate <QtnDt>	[0..1]	DateTime		970
	ValidUntil <VldUntil>	[0..1]	DateTime		970
	SourceCurrency <SrcCcy>	[1..1]			970
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	970
	NumericCode <NmrcCd>	[0..1]	Text		971
	Decimal <Dcml>	[0..1]	Quantity		971
	Name <Nm>	[0..1]	Text		971
	OriginalAmount <OrgnlAmt>	[1..1]			971
	ActualAmount <ActlAmt>	[0..1]	Amount		971
	MinimumAmount <MinAmt>	[0..1]	Amount		971
	MaximumAmount <MaxAmt>	[0..1]	Amount		972
	CommissionDetails <ComssnDtls>	[0..*]			972
	Amount <Amt>	[1..1]	Amount		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	MarkUpDetails <MrkUpDtls>	[0..*]			972
	Rate <Rate>	[1..1]	Rate		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	DeclarationDetails <DclrtnDtls>	[0..*]	±		973

**27.1.5.4.5.17.13.1 AcceptedByCardholder <AcptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**27.1.5.4.5.17.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		968
	TargetCurrency <TrgtCcy>	[1..1]			969
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	969
	NumericCode <NmrcCd>	[1..1]	Text		969
	Decimal <Dcml>	[1..1]	Quantity		969
	Name <Nm>	[0..1]	Text		969
	ResultingAmount <RsltgAmt>	[1..1]	Amount		969
	ExchangeRate <XchgRate>	[1..1]	Rate		970
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		970
	QuotationDate <QtnDt>	[0..1]	DateTime		970
	ValidUntil <VldUntil>	[0..1]	DateTime		970
	SourceCurrency <SrcCcy>	[1..1]			970
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	970
	NumericCode <NmrcCd>	[0..1]	Text		971
	Decimal <Dcml>	[0..1]	Quantity		971
	Name <Nm>	[0..1]	Text		971
	OriginalAmount <OrgnlAmt>	[1..1]			971
	ActualAmount <ActlAmt>	[0..1]	Amount		971
	MinimumAmount <MinAmt>	[0..1]	Amount		971
	MaximumAmount <MaxAmt>	[0..1]	Amount		972
	CommissionDetails <ComssnDtls>	[0..*]			972
	Amount <Amt>	[1..1]	Amount		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	MarkUpDetails <MrkUpDtls>	[0..*]			972
	Rate <Rate>	[1..1]	Rate		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972
	DeclarationDetails <DclrtDtls>	[0..*]	±		973

#### 27.1.5.4.5.17.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**27.1.5.4.5.17.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	969
	NumericCode <NmrcCd>	[1..1]	Text		969
	Decimal <Dcml>	[1..1]	Quantity		969
	Name <Nm>	[0..1]	Text		969

**27.1.5.4.5.17.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.4.5.17.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**27.1.5.4.5.17.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**27.1.5.4.5.17.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**27.1.5.4.5.17.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **27.1.5.4.5.17.13.2.4 ExchangeRate <XchgRate>**

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.4.5.17.13.2.5 InvertedExchangeRate <NvrtedXchgRate>**

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.4.5.17.13.2.6 QuotationDate <QtnDt>**

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODatetime" on page 1392

#### **27.1.5.4.5.17.13.2.7 ValidUntil <VldUntil>**

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODatetime" on page 1392

#### **27.1.5.4.5.17.13.2.8 SourceCurrency <SrcCcy>**

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	970
	NumericCode <NmrcCd>	[0..1]	Text		971
	Decimal <Dcml>	[0..1]	Quantity		971
	Name <Nm>	[0..1]	Text		971

##### **27.1.5.4.5.17.13.2.8.1 AlphaCode <AlphaCd>**

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.4.5.17.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**27.1.5.4.5.17.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**27.1.5.4.5.17.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**27.1.5.4.5.17.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		971
	MinimumAmount <MinAmt>	[0..1]	Amount		971
	MaximumAmount <MaxAmt>	[0..1]	Amount		972

**27.1.5.4.5.17.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.4.5.17.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.4.5.17.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.4.5.17.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972

**27.1.5.4.5.17.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.4.5.17.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**27.1.5.4.5.17.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		972
	AdditionalInformation <AddtlInf>	[0..1]	Text		972

**27.1.5.4.5.17.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**27.1.5.4.5.17.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.



*Datatype:* "Max350Text" on page 1398

#### 27.1.5.4.5.17.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 27.1.5.4.5.17.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 27.1.5.4.5.17.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "AggregationTransaction3" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 27.1.5.4.5.17.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "Max10Text" on page 1396

#### 27.1.5.4.5.17.17 SaleItem <Saleitm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 27.1.5.4.5.17.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.4.5.17.19 ReSubmissionCounter <ReSubmissnCntnr>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 27.1.5.4.5.17.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		977
	Value <Val>	[0..1]	Binary		977
	ProtectedValue <PrctcdVal>	[0..1]	±		977
	Type <Tp>	[0..1]	Text		977

#### 27.1.5.4.5.17.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.5.4.5.17.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 27.1.5.4.5.17.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 27.1.5.4.5.17.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.5.4.5.17.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**27.1.5.4.5.18 MerchantReferenceData <MrchntRefData>***Presence:* [0..1]*Definition:* Merchant information that must be returned unchanged in the response.*Datatype:* "Max70Text" on page 1400**27.1.5.4.5.19 AccountFrom <AcctFr>***Presence:* [0..1]*Definition:* Information relevant to the account where the money is taken from.**AccountFrom <AcctFr>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		978
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		979
	AccountName <AcctNm>	[0..1]	Text		980
	AccountOwner <AcctOwnr>	[0..1]			980
	Name <Nm>	[1..1]	Text		980
	Address <Adr>	[1..1]	±		980
	Currency <Ccy>	[0..1]	CodeSet	C1	981
	AccountIdentifier <AcctIdr>	[0..1]			981
{Or	Card <Card>	[1..1]	Text		982
Or	MSISDN <MSISDN>	[1..1]	Text		982
Or	EMail <EMail>	[1..1]	Text		982
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	982
Or	BBAN <BBAN>	[1..1]	IdentifierSet		983
Or	UPIC <UPIC>	[1..1]	IdentifierSet		983
Or	Domestic <Dmst>	[1..1]	Text		983
Or}	Other <Othr>	[1..1]	Text		983
	Servicer <Svcr>	[0..1]			983
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	983
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		984

**27.1.5.4.5.19.1 SelectionMethod <SelctnMtd>***Presence:* [0..1]*Definition:* Method used by the cardholder and the terminal for the choice of the account.*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.
TPSL	TypeSelected	Type of account selected in a list.

#### 27.1.5.4.5.19.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.

CodeName	Name	Definition
FLTC	FleetCard	Fleet card account.

#### 27.1.5.4.5.19.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

Usage: The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 27.1.5.4.5.19.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		980
	Address <Adr>	[1..1]	±		980

##### 27.1.5.4.5.19.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 27.1.5.4.5.19.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.



**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

#### 27.1.5.4.5.19.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 27.1.5.4.5.19.6 AccountIdentifier <Acctldr>

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Card <Card>	[1..1]	Text		982
Or	MSISDN <MSISDN>	[1..1]	Text		982
Or	EMail <EMail>	[1..1]	Text		982
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	982
Or	BBAN <BBAN>	[1..1]	IdentifierSet		983
Or	UPIC <UPIC>	[1..1]	IdentifierSet		983
Or	Domestic <Dmst>	[1..1]	Text		983
Or}	Other <Othr>	[1..1]	Text		983

#### 27.1.5.4.5.19.6.1 Card <Card>

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

#### 27.1.5.4.5.19.6.2 MSISDN <MSISDN>

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

#### 27.1.5.4.5.19.6.3 EMail <EMail>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

#### 27.1.5.4.5.19.6.4 IBAN <IBAN>

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

**Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

**27.1.5.4.5.19.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

**27.1.5.4.5.19.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

**27.1.5.4.5.19.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

**27.1.5.4.5.19.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

**27.1.5.4.5.19.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	983
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		984

**27.1.5.4.5.19.7.1 AnyBIC <AnyBIC>**

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 27.1.5.4.5.19.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "[GenericIdentification1](#)" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 27.1.5.4.5.20 AccountTo <AcctTo>

*Presence:* [0..1]

*Definition:* Information relevant to the account where the money is put.

**AccountTo <AcctTo>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		985
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		986
	AccountName <AcctNm>	[0..1]	Text		986
	AccountOwner <AcctOwnr>	[0..1]			987
	Name <Nm>	[1..1]	Text		987
	Address <Adr>	[1..1]	±		987
	Currency <Ccy>	[0..1]	CodeSet	C1	987
	AccountIdentifier <AcctIdr>	[0..1]			988
{Or	Card <Card>	[1..1]	Text		988
Or	MSISDN <MSISDN>	[1..1]	Text		988
Or	EMail <EMail>	[1..1]	Text		988
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	988
Or	BBAN <BBAN>	[1..1]	IdentifierSet		989
Or	UPIC <UPIC>	[1..1]	IdentifierSet		989
Or	Domestic <Dmst>	[1..1]	Text		989
Or}	Other <Othr>	[1..1]	Text		989
	Servicer <Svcr>	[0..1]			989
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	990
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		990

#### 27.1.5.4.5.20.1 SelectionMethod <SelctnMtd>

*Presence:* [0..1]

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.

CodeName	Name	Definition
TPSL	TypeSelected	Type of account selected in a list.

#### 27.1.5.4.5.20.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 27.1.5.4.5.20.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

*Usage:* The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 27.1.5.4.5.20.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		987
	Address <Adr>	[1..1]	±		987

##### 27.1.5.4.5.20.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 27.1.5.4.5.20.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

##### 27.1.5.4.5.20.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.4.5.20.6 AccountIdentifier <AcctIdr>**

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Card <Card>	[1..1]	Text		988
Or	MSISDN <MSISDN>	[1..1]	Text		988
Or	EMail <EMail>	[1..1]	Text		988
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	988
Or	BBAN <BBAN>	[1..1]	IdentifierSet		989
Or	UPIC <UPIC>	[1..1]	IdentifierSet		989
Or	Domestic <Dmst>	[1..1]	Text		989
Or}	Other <Othr>	[1..1]	Text		989

**27.1.5.4.5.20.6.1 Card <Card>**

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

**27.1.5.4.5.20.6.2 MSISDN <MSISDN>**

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

**27.1.5.4.5.20.6.3 EMail <EMail>**

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

**27.1.5.4.5.20.6.4 IBAN <IBAN>**

*Presence:* [1..1]



*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### **Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### **27.1.5.4.5.20.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

#### **27.1.5.4.5.20.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

#### **27.1.5.4.5.20.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

#### **27.1.5.4.5.20.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

#### **27.1.5.4.5.20.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	990
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		990

#### 27.1.5.4.5.20.7.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 27.1.5.4.5.20.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "GenericIdentification1" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 27.1.5.4.5.21 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* "Max70Text" on page 1400

### 27.1.5.5 CardPaymentDataSetTransaction41

*Definition:* Completed card payment transaction to be captured in batch.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionSequenceCounter <TxSeqCntr>	[1..1]	Text		995
	Traceability <Tracblt>	[0..*]	±		995
	Environment <Envt>	[1..1]	±		995
	Context <Cntxt>	[0..1]	±		1001
	Transaction <Tx>	[1..1]			1004
	TransactionCapture <TxCaptr>	[0..1]	Indicator		1009
	TransactionType <TxTp>	[0..1]	CodeSet		1009
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1010
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1010
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		1011
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		1011
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1011
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		1011
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		1011
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1012
	TransactionIdentification <TxId>	[1..1]	±		1012
	OriginalTransaction <OrgnlTx>	[0..1]	±		1012
	TransactionSuccess <TxSucss>	[1..1]	Indicator		1013
	Reversal <Rvsl>	[0..1]	Indicator		1013
	MerchantOverride <MrchntOvrrd>	[0..1]	Indicator		1014
	FailureReason <FailrRsn>	[0..*]	CodeSet		1014
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1014
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1015
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1015
	InterchangeData <IntrchgData>	[0..1]	Text		1015
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		1015
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		1015
	TransactionDetails <TxDtls>	[1..1]			1015
	Currency <Ccy>	[0..1]	CodeSet	C1	1017
	TotalAmount <TtlAmt>	[1..1]	Amount		1018
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		1018

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1018
	DetailedAmount <DtldAmt>	[0..1]	±		1018
	RequestedAmount <ReqdAmt>	[0..1]	Amount		1019
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		1019
	InvoiceAmount <InvcAmt>	[0..1]	Amount		1019
	ValidityDate <VldtyDt>	[0..1]	Date		1019
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		1019
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		1020
	AccountType <AcctTp>	[0..1]	CodeSet		1020
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			1021
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1023
	Conversion <Convs>	[0..1]			1023
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1024
	TargetCurrency <TrgtCcy>	[1..1]			1025
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1025
	NumericCode <NmrcCd>	[1..1]	Text		1025
	Decimal <Dcml>	[1..1]	Quantity		1025
	Name <Nm>	[0..1]	Text		1025
	ResultingAmount <RsltAmt>	[1..1]	Amount		1025
	ExchangeRate <XchgRate>	[1..1]	Rate		1026
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1026
	QuotationDate <QtnDt>	[0..1]	DateTime		1026
	ValidUntil <VldUntil>	[0..1]	DateTime		1026
	SourceCurrency <SrcCcy>	[1..1]			1026
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1026
	NumericCode <NmrcCd>	[0..1]	Text		1027
	Decimal <Dcml>	[0..1]	Quantity		1027
	Name <Nm>	[0..1]	Text		1027
	OriginalAmount <OrgnlAmt>	[1..1]			1027
	ActualAmount <ActlAmt>	[0..1]	Amount		1027
	MinimumAmount <MinAmt>	[0..1]	Amount		1027

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumAmount <MaxAmt>	[0..1]	Amount		1028
	CommissionDetails <ComssnDtls>	[0..*]			1028
	Amount <Amt>	[1..1]	Amount		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	MarkUpDetails <MrkUpDtls>	[0..*]			1028
	Rate <Rate>	[1..1]	Rate		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	DeclarationDetails <DclrtDtls>	[0..*]	±		1029
	Instalment <Instlmt>	[0..*]	±		1029
	AggregationTransaction <AggtTx>	[0..1]	±		1030
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		1031
	SaleItem <Saleitm>	[0..*]	±		1031
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1032
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		1032
	AdditionalInformation <AddtlInf>	[0..*]			1032
	Identification <Id>	[1..1]	Text		1033
	Value <Val>	[0..1]	Binary		1033
	ProtectedValue <PrctdVal>	[0..1]	±		1033
	Type <Tp>	[0..1]	Text		1033
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1033
	AuthorisationResult <AuthstnRslt>	[0..1]			1034
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1034
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1034
	Response <Rspn>	[1..1]	CodeSet		1035
	ResponseReason <RspnRsn>	[0..1]	Text		1035
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1035
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1035
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1035
	Method <Mtd>	[1..1]	CodeSet		1036
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1036
	Result <Rslt>	[0..1]	CodeSet		1037

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalResult <AddtlRslt>	[0..1]	Text		1037
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		1037
	AccountFrom <AcctFr>	[0..1]			1037
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1038
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1039
	AccountName <AcctNm>	[0..1]	Text		1039
	AccountOwner <AcctOwnr>	[0..1]			1040
	Name <Nm>	[1..1]	Text		1040
	Address <Adr>	[1..1]	±		1040
	Currency <Ccy>	[0..1]	CodeSet	C1	1040
	AccountIdentifier <AcctIdr>	[0..1]			1041
{Or	Card <Card>	[1..1]	Text		1041
Or	MSISDN <MSISDN>	[1..1]	Text		1041
Or	EMail <EMail>	[1..1]	Text		1041
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1041
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1042
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1042
Or	Domestic <Dmst>	[1..1]	Text		1042
Or}	Other <Othr>	[1..1]	Text		1042
	Servicer <Svcr>	[0..1]			1042
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1043
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1043
	AccountTo <AcctTo>	[0..1]			1043
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1044
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1045
	AccountName <AcctNm>	[0..1]	Text		1045
	AccountOwner <AcctOwnr>	[0..1]			1046
	Name <Nm>	[1..1]	Text		1046
	Address <Adr>	[1..1]	±		1046
	Currency <Ccy>	[0..1]	CodeSet	C1	1046
	AccountIdentifier <AcctIdr>	[0..1]			1047

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Card <Card>	[1..1]	Text		1047
Or	MSISDN <MSISDN>	[1..1]	Text		1047
Or	EMail <EMail>	[1..1]	Text		1047
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1047
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1048
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1048
Or	Domestic <Dmst>	[1..1]	Text		1048
Or}	Other <Othr>	[1..1]	Text		1048
	Servicer <Svcr>	[0..1]			1048
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1049
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1049
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		1049

#### 27.1.5.5.1 TransactionSequenceCounter <TxSeqCntr>

*Presence:* [1..1]

*Definition:* Sequential counter of the transaction.

*Datatype:* "Max9NumericText" on page 1401

#### 27.1.5.5.2 Traceability <Tracblt>

*Presence:* [0..\*]

*Definition:* Identification of partners involved in the exchange from the merchant to the issuer, with the corresponding timestamp of their exchanges.

**Traceability <Tracblt>** contains the following elements (see "Traceability8" on page 1267 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

#### 27.1.5.5.3 Environment <Envnt>

*Presence:* [1..1]

*Definition:* Data related to the environment of the transaction in a transaction captured in batch.

**Environment <Envt>** contains the following elements (see "[CardPaymentEnvironment78](#)" on page 1147 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crdhdr>	[0..1]			1172
	Identification <Id>	[0..1]			1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BlgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			1200
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 27.1.5.5.4 Context <Cntxt>

*Presence:* [0..1]

*Definition:* Data related to the context of the transaction.

**Context <Cntxt>** contains the following elements (see "CardPaymentContext29" on page 1202 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

#### 27.1.5.5.5 Transaction <Tx>

*Presence:* [1..1]

*Definition:* Transaction information to be captured.



**Transaction <Tx>** contains the following **CardPaymentTransaction118** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		1009
	TransactionType <TxTp>	[0..1]	CodeSet		1009
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1010
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1010
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		1011
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		1011
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1011
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		1011
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		1011
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1012
	TransactionIdentification <TxId>	[1..1]	±		1012
	OriginalTransaction <OrgnlTx>	[0..1]	±		1012
	TransactionSuccess <TxSucss>	[1..1]	Indicator		1013
	Reversal <Rvs/>	[0..1]	Indicator		1013
	MerchantOverride <MrchntOvrrd>	[0..1]	Indicator		1014
	FailureReason <FailrRsn>	[0..*]	CodeSet		1014
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1014
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1015
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1015
	InterchangeData <IntrchgData>	[0..1]	Text		1015
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		1015
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		1015
	TransactionDetails <TxDtls>	[1..1]			1015
	Currency <Ccy>	[0..1]	CodeSet	C1	1017
	TotalAmount <TtlAmt>	[1..1]	Amount		1018
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		1018
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1018
	DetailedAmount <DtldAmt>	[0..1]	±		1018
	RequestedAmount <ReqdAmt>	[0..1]	Amount		1019
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		1019
	InvoiceAmount <InvcAmt>	[0..1]	Amount		1019

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ValidityDate <VldtyDt>	[0..1]	Date		1019
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		1019
	UnattendedLevelCategory <UatnddLv/Ctgy>	[0..1]	Text		1020
	AccountType <AcctTp>	[0..1]	CodeSet		1020
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			1021
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1023
	Conversion <Convs>	[0..1]			1023
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1024
	TargetCurrency <TrgtCcy>	[1..1]			1025
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1025
	NumericCode <NmrcCd>	[1..1]	Text		1025
	Decimal <Dcml>	[1..1]	Quantity		1025
	Name <Nm>	[0..1]	Text		1025
	ResultingAmount <RsltAmt>	[1..1]	Amount		1025
	ExchangeRate <XchgRate>	[1..1]	Rate		1026
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1026
	QuotationDate <QtnDt>	[0..1]	DateTime		1026
	ValidUntil <VldUntil>	[0..1]	DateTime		1026
	SourceCurrency <SrcCcy>	[1..1]			1026
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1026
	NumericCode <NmrcCd>	[0..1]	Text		1027
	Decimal <Dcml>	[0..1]	Quantity		1027
	Name <Nm>	[0..1]	Text		1027
	OriginalAmount <OrgnlAmt>	[1..1]			1027
	ActualAmount <ActlAmt>	[0..1]	Amount		1027
	MinimumAmount <MinAmt>	[0..1]	Amount		1027
	MaximumAmount <MaxAmt>	[0..1]	Amount		1028
	CommissionDetails <ComssnDtls>	[0..*]			1028
	Amount <Amt>	[1..1]	Amount		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	MarkUpDetails <MrkUpDtls>	[0..*]			1028

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	DeclarationDetails <DclrtnDtls>	[0..*]	±		1029
	Instalment <Instlmt>	[0..*]	±		1029
	AggregationTransaction <AggtnTx>	[0..1]	±		1030
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		1031
	SaleItem <SaleItm>	[0..*]	±		1031
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1032
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		1032
	AdditionalInformation <AddtlInf>	[0..*]			1032
	Identification <Id>	[1..1]	Text		1033
	Value <Val>	[0..1]	Binary		1033
	ProtectedValue <PrctcdVal>	[0..1]	±		1033
	Type <Tp>	[0..1]	Text		1033
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1033
	AuthorisationResult <AuthstnRslt>	[0..1]			1034
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1034
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1034
	Response <Rspn>	[1..1]	CodeSet		1035
	ResponseReason <RspnRsn>	[0..1]	Text		1035
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1035
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1035
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1035
	Method <Mtd>	[1..1]	CodeSet		1036
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1036
	Result <Rslt>	[0..1]	CodeSet		1037
	AdditionalResult <AddtlRslt>	[0..1]	Text		1037
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		1037
	AccountFrom <AcctFr>	[0..1]			1037
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1038
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1039

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		1039
	AccountOwner <AcctOwnr>	[0..1]			1040
	Name <Nm>	[1..1]	Text		1040
	Address <Adr>	[1..1]	±		1040
	Currency <Ccy>	[0..1]	CodeSet	C1	1040
	AccountIdentifier <AcctIdr>	[0..1]			1041
{Or	Card <Card>	[1..1]	Text		1041
Or	MSISDN <MSISDN>	[1..1]	Text		1041
Or	EMail <EMail>	[1..1]	Text		1041
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1041
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1042
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1042
Or	Domestic <Dmst>	[1..1]	Text		1042
Or}	Other <Othr>	[1..1]	Text		1042
	Servicer <Svcr>	[0..1]			1042
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1043
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1043
	AccountTo <AcctTo>	[0..1]			1043
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1044
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1045
	AccountName <AcctNm>	[0..1]	Text		1045
	AccountOwner <AcctOwnr>	[0..1]			1046
	Name <Nm>	[1..1]	Text		1046
	Address <Adr>	[1..1]	±		1046
	Currency <Ccy>	[0..1]	CodeSet	C1	1046
	AccountIdentifier <AcctIdr>	[0..1]			1047
{Or	Card <Card>	[1..1]	Text		1047
Or	MSISDN <MSISDN>	[1..1]	Text		1047
Or	EMail <EMail>	[1..1]	Text		1047
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1047
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1048

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1048
Or	Domestic <Dmst>	[1..1]	Text		1048
Or}	Other <Othr>	[1..1]	Text		1048
	Servicer <Svcr>	[0..1]			1048
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1049
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1049
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		1049

#### 27.1.5.5.5.1 TransactionCapture <TxCaptr>

*Presence:* [0..1]

*Definition:* Flag indicating whether the transaction data must be captured or not in addition to the message process.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.5.5.5.2 TransactionType <TxTp>

*Presence:* [0..1]

*Definition:* Type of transaction being undertaken for the main service.

*Datatype:* "CardPaymentServiceType12Code" on page 1357

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.

CodeName	Name	Definition
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

#### 27.1.5.5.3 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 27.1.5.5.4 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 27.1.5.5.5.5 LastTransactionFlag <LastTxFlg>

*Presence:* [0..1]

*Definition:* Flag indicating processing of the last transaction.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator" on page 1394](#)):

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

#### 27.1.5.5.5.6 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [0..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* ["Min3Max4Text" on page 1402](#)

#### 27.1.5.5.5.7 CustomerConsent <CstmrCnsnt>

*Presence:* [0..1]

*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator" on page 1394](#)):

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

#### 27.1.5.5.5.8 CardProgrammeProposed <CardPrgrmmPropsd>

*Presence:* [0..\*]

*Definition:* The card program proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

*Datatype:* ["Max35Text" on page 1399](#)

#### 27.1.5.5.5.9 CardProgrammeApplied <CardPrgrmmApld>

*Presence:* [0..1]

*Definition:* The card program actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.5.10 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.5.11 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 27.1.5.5.12 OriginalTransaction <OrgnITx>

*Presence:* [0..1]

*Definition:* Identification of the original transaction.



**OriginalTransaction <OrgnlTx>** contains the following elements (see "[CardPaymentTransaction122](#)" on page 1089 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIID>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 27.1.5.5.13 TransactionSuccess <TxSucss>

*Presence:* [1..1]

*Definition:* Outcome of the transaction at the acceptor.

*Datatype:* One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1394):

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

#### 27.1.5.5.14 Reversal <Rvsl>

*Presence:* [0..1]

*Definition:* Notify that a previous transaction has to be reversed if this original transaction has been approved by the acquirer.

*Datatype:* One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1394):

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

**27.1.5.5.15 MerchantOverride <MrchntOvrrd>***Presence:* [0..1]*Definition:* Indicate that the acceptor has forced the transaction in spite of the authorisation result (online or offline), or incident to complete the transaction.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.5.5.16 FailureReason <FailrRsn>***Presence:* [0..\*]*Definition:* List of incidents during the transaction.*Datatype:* "FailureReason3Code" on page 1364

CodeName	Name	Definition
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
MALF	Malfunction	Suspected malfunction.
FDCL	OfflineDeclined	Offline authorisation declined the transaction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
PART	Partial	Completed partially.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.

**27.1.5.5.17 InitiatorTransactionIdentification <InitrTxld>***Presence:* [0..1]*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.*Datatype:* "Max35Text" on page 1399

**27.1.5.5.5.18 RecipientTransactionIdentification <RcptTxId>**

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* "Max140Text" on page 1397

**27.1.5.5.5.19 ReconciliationIdentification <RcncltnId>**

*Presence:* [0..1]

*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer. This identification might be linked to the identification of the settlement for further verification by the merchant.

*Datatype:* "Max35Text" on page 1399

**27.1.5.5.5.20 InterchangeData <IntrchgData>**

*Presence:* [0..1]

*Definition:* Interchange information related to the card scheme.

*Datatype:* "Max140Text" on page 1397

**27.1.5.5.5.21 IssuerCITIdentification <IssrCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the Issuer, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

**27.1.5.5.5.22 MerchantCITIdentification <MrchntCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the merchant, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

**27.1.5.5.5.23 TransactionDetails <TxDtls>**

*Presence:* [1..1]

*Definition:* Details of the transaction.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1017
	TotalAmount <TtlAmt>	[1..1]	Amount		1018
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		1018
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1018
	DetailedAmount <DtldAmt>	[0..1]	±		1018
	RequestedAmount <ReqdAmt>	[0..1]	Amount		1019
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		1019
	InvoiceAmount <InvcAmt>	[0..1]	Amount		1019
	ValidityDate <VldtyDt>	[0..1]	Date		1019
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		1019
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		1020
	AccountType <AcctTp>	[0..1]	CodeSet		1020
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			1021
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1023
	Conversion <Convs>	[0..1]			1023
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1024
	TargetCurrency <TrgtCcy>	[1..1]			1025
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1025
	NumericCode <NmrcCd>	[1..1]	Text		1025
	Decimal <Dcml>	[1..1]	Quantity		1025
	Name <Nm>	[0..1]	Text		1025
	ResultingAmount <RsltgAmt>	[1..1]	Amount		1025
	ExchangeRate <XchgRate>	[1..1]	Rate		1026
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1026
	QuotationDate <QtnDt>	[0..1]	DateTime		1026
	ValidUntil <VldUntil>	[0..1]	DateTime		1026
	SourceCurrency <SrcCcy>	[1..1]			1026
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1026
	NumericCode <NmrcCd>	[0..1]	Text		1027
	Decimal <Dcml>	[0..1]	Quantity		1027
	Name <Nm>	[0..1]	Text		1027

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalAmount <OrgnlAmt>	[1..1]			1027
	ActualAmount <ActlAmt>	[0..1]	Amount		1027
	MinimumAmount <MinAmt>	[0..1]	Amount		1027
	MaximumAmount <MaxAmt>	[0..1]	Amount		1028
	CommissionDetails <ComssnDtls>	[0..*]			1028
	Amount <Amt>	[1..1]	Amount		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	MarkUpDetails <MrkUpDtls>	[0..*]			1028
	Rate <Rate>	[1..1]	Rate		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	DeclarationDetails <DclrtDtls>	[0..*]	±		1029
	Instalment <Instlmt>	[0..*]	±		1029
	AggregationTransaction <AggtTx>	[0..1]	±		1030
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		1031
	SaleItem <Saleitm>	[0..*]	±		1031
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1032
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		1032
	AdditionalInformation <AddtlInf>	[0..*]			1032
	Identification <Id>	[1..1]	Text		1033
	Value <Val>	[0..1]	Binary		1033
	ProtectedValue <PrtctdVal>	[0..1]	±		1033
	Type <Tp>	[0..1]	Text		1033
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1033

#### 27.1.5.5.23.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 27.1.5.5.23.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.5.23.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.5.23.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 27.1.5.5.23.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 27.1.5.5.5.23.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.5.5.23.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.5.5.23.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.5.5.23.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 27.1.5.5.5.23.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.

CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

#### 27.1.5.5.5.23.11 UnattendedLevelCategory <UattnddLvlCtgy>

*Presence:* [0..1]

*Definition:* Transaction category level on an unattended POI (Point Of Interaction).

*Datatype:* "Max35NumericText" on page 1399

#### 27.1.5.5.5.23.12 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.



CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UURL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 27.1.5.5.23.13 CurrencyConversionResult <CcyConvsRslt>

*Presence:* [0..1]

*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1023
	Conversion <Convs>	[0..1]			1023
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		1024
	TargetCurrency <TrgtCcy>	[1..1]			1025
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1025
	NumericCode <NmrcCd>	[1..1]	Text		1025
	Decimal <Dcml>	[1..1]	Quantity		1025
	Name <Nm>	[0..1]	Text		1025
	ResultingAmount <RsltAmt>	[1..1]	Amount		1025
	ExchangeRate <XchgRate>	[1..1]	Rate		1026
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1026
	QuotationDate <QtnDt>	[0..1]	DateTime		1026
	ValidUntil <VldUntil>	[0..1]	DateTime		1026
	SourceCurrency <SrcCcy>	[1..1]			1026
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1026
	NumericCode <NmrcCd>	[0..1]	Text		1027
	Decimal <Dcml>	[0..1]	Quantity		1027
	Name <Nm>	[0..1]	Text		1027
	OriginalAmount <OrgnlAmt>	[1..1]			1027
	ActualAmount <ActlAmt>	[0..1]	Amount		1027
	MinimumAmount <MinAmt>	[0..1]	Amount		1027
	MaximumAmount <MaxAmt>	[0..1]	Amount		1028
	CommissionDetails <ComssnDtls>	[0..*]			1028
	Amount <Amt>	[1..1]	Amount		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	MarkUpDetails <MrkUpDtls>	[0..*]			1028
	Rate <Rate>	[1..1]	Rate		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	DeclarationDetails <DclrtnDtls>	[0..*]	±		1029

**27.1.5.5.5.23.13.1 AcceptedByCardholder <AcptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**27.1.5.5.5.23.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		1024
	TargetCurrency <TrgtCcy>	[1..1]			1025
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1025
	NumericCode <NmrcCd>	[1..1]	Text		1025
	Decimal <Dcml>	[1..1]	Quantity		1025
	Name <Nm>	[0..1]	Text		1025
	ResultingAmount <RsltgAmt>	[1..1]	Amount		1025
	ExchangeRate <XchgRate>	[1..1]	Rate		1026
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1026
	QuotationDate <QtnDt>	[0..1]	DateTime		1026
	ValidUntil <VldUntil>	[0..1]	DateTime		1026
	SourceCurrency <SrcCcy>	[1..1]			1026
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1026
	NumericCode <NmrcCd>	[0..1]	Text		1027
	Decimal <Dcml>	[0..1]	Quantity		1027
	Name <Nm>	[0..1]	Text		1027
	OriginalAmount <OrgnlAmt>	[1..1]			1027
	ActualAmount <ActlAmt>	[0..1]	Amount		1027
	MinimumAmount <MinAmt>	[0..1]	Amount		1027
	MaximumAmount <MaxAmt>	[0..1]	Amount		1028
	CommissionDetails <ComssnDtls>	[0..*]			1028
	Amount <Amt>	[1..1]	Amount		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	MarkUpDetails <MrkUpDtls>	[0..*]			1028
	Rate <Rate>	[1..1]	Rate		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028
	DeclarationDetails <DclrtDtls>	[0..*]	±		1029

#### 27.1.5.5.5.23.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**27.1.5.5.5.23.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1025
	NumericCode <NmrcCd>	[1..1]	Text		1025
	Decimal <Dcml>	[1..1]	Quantity		1025
	Name <Nm>	[0..1]	Text		1025

**27.1.5.5.5.23.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.5.5.23.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**27.1.5.5.5.23.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**27.1.5.5.5.23.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**27.1.5.5.5.23.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **27.1.5.5.5.23.13.2.4 ExchangeRate <XchgRate>**

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.5.5.23.13.2.5 InvertedExchangeRate <NvrtedXchgRate>**

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.5.5.23.13.2.6 QuotationDate <QtnDt>**

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### **27.1.5.5.5.23.13.2.7 ValidUntil <VldUntil>**

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### **27.1.5.5.5.23.13.2.8 SourceCurrency <SrcCcy>**

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1026
	NumericCode <NmrcCd>	[0..1]	Text		1027
	Decimal <Dcml>	[0..1]	Quantity		1027
	Name <Nm>	[0..1]	Text		1027

##### **27.1.5.5.5.23.13.2.8.1 AlphaCode <AlphaCd>**

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.5.5.23.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**27.1.5.5.5.23.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**27.1.5.5.5.23.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**27.1.5.5.5.23.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		1027
	MinimumAmount <MinAmt>	[0..1]	Amount		1027
	MaximumAmount <MaxAmt>	[0..1]	Amount		1028

**27.1.5.5.5.23.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.5.5.23.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.5.5.23.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.5.5.23.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028

**27.1.5.5.5.23.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.5.5.23.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**27.1.5.5.5.23.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		1028
	AdditionalInformation <AddtlInf>	[0..1]	Text		1028

**27.1.5.5.5.23.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**27.1.5.5.5.23.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.



*Datatype:* "Max350Text" on page 1398

#### 27.1.5.5.23.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCdBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCdVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCdNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCdErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 27.1.5.5.23.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 27.1.5.5.5.23.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "AggregationTransaction3" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 27.1.5.5.5.23.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "Max10Text" on page 1396

#### 27.1.5.5.5.23.17 SaleItem <Saleitm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 27.1.5.5.23.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.5.23.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 27.1.5.5.23.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1033
	Value <Val>	[0..1]	Binary		1033
	ProtectedValue <PrctcdVal>	[0..1]	±		1033
	Type <Tp>	[0..1]	Text		1033

#### 27.1.5.5.5.23.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.5.5.5.23.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 27.1.5.5.5.23.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 27.1.5.5.5.23.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.5.5.5.23.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**27.1.5.5.24 AuthorisationResult <AuthstnRsIt>***Presence:* [0..1]*Definition:* Outcome of the authorisation request.**AuthorisationResult <AuthstnRsIt>** contains the following **AuthorisationResult18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1034
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1034
	Response <Rspn>	[1..1]	CodeSet		1035
	ResponseReason <RspnRsn>	[0..1]	Text		1035
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1035
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1035

**27.1.5.5.24.1 AuthorisationEntity <AuthstnNtty>***Presence:* [0..1]*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

**27.1.5.5.24.2 ResponseToAuthorisation <RspnToAuthstn>***Presence:* [1..1]*Definition:* Response to an authorisation request.**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1035
	ResponseReason <RspnRsn>	[0..1]	Text		1035
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1035

**27.1.5.5.5.24.2.1 Response <Rspn>***Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**27.1.5.5.5.24.2.2 ResponseReason <RspnRsn>***Presence:* [0..1]*Definition:* Detailed result of the transaction.*Datatype:* "Max35Text" on page 1399**27.1.5.5.5.24.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1397**27.1.5.5.5.24.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 1401**27.1.5.5.5.25 TransactionVerificationResult <TxVrfctnRsIt>***Presence:* [0..\*]*Definition:* Result of the performed verifications for the transaction.

**TransactionVerificationResult <TxVrfctnRsIt>** contains the following  
**TransactionVerificationResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		1036
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1036
	Result <RsIt>	[0..1]	CodeSet		1037
	AdditionalResult <AddtlRsIt>	[0..1]	Text		1037

**27.1.5.5.5.25.1 Method <Mtd>***Presence:* [1..1]*Definition:* Method of verification that has been performed.*Datatype:* "AuthenticationMethod6Code" on page 1350

CodeName	Name	Definition
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
PPSG	PaperSignature	Handwritten paper signature.
PSWD	Password	Authentication by a password.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
ADDB	BillingAddressVerification	Cardholder billing address verification.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
MANU	ManualVerification	Manual verification, for example passport or drivers license.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

**27.1.5.5.5.25.2 VerificationEntity <VrfctnNtty>***Presence:* [0..1]*Definition:* Entity or device that has performed the verification.



*Datatype:* "AuthenticationEntity2Code" on page 1350

CodeName	Name	Definition
ICCD	ICC	Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification.
AGNT	AuthorisedAgent	Authorisation agent of the issuer.
MERC	Merchant	Merchant (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

#### 27.1.5.5.5.25.3 Result <Rslt>

*Presence:* [0..1]

*Definition:* Result of the verification.

*Datatype:* "Verification1Code" on page 1391

CodeName	Name	Definition
FAIL	Failed	Verification failed.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

#### 27.1.5.5.5.25.4 AdditionalResult <AddtlRslt>

*Presence:* [0..1]

*Definition:* Additional result of the verification.

*Datatype:* "Max500Text" on page 1400

#### 27.1.5.5.5.26 MerchantReferenceData <MrchntRefData>

*Presence:* [0..1]

*Definition:* Merchant information that must be returned unchanged in the response.

*Datatype:* "Max70Text" on page 1400

#### 27.1.5.5.5.27 AccountFrom <AcctFr>

*Presence:* [0..1]

*Definition:* Information relevant to the account where the money is taken from.

**AccountFrom <AcctFr>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1038
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1039
	AccountName <AcctNm>	[0..1]	Text		1039
	AccountOwner <AcctOwnr>	[0..1]			1040
	Name <Nm>	[1..1]	Text		1040
	Address <Adr>	[1..1]	±		1040
	Currency <Ccy>	[0..1]	CodeSet	C1	1040
	AccountIdentifier <AcctIdr>	[0..1]			1041
{Or	Card <Card>	[1..1]	Text		1041
Or	MSISDN <MSISDN>	[1..1]	Text		1041
Or	EMail <EMail>	[1..1]	Text		1041
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1041
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1042
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1042
Or	Domestic <Dmst>	[1..1]	Text		1042
Or}	Other <Othr>	[1..1]	Text		1042
	Servicer <Svcr>	[0..1]			1042
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1043
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1043

#### 27.1.5.5.5.27.1 SelectionMethod <SelctnMtd>

*Presence:* [0..1]

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.

CodeName	Name	Definition
TPSL	TypeSelected	Type of account selected in a list.

#### 27.1.5.5.27.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 27.1.5.5.27.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

*Usage:* The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 27.1.5.5.5.27.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1040
	Address <Adr>	[1..1]	±		1040

##### 27.1.5.5.5.27.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 27.1.5.5.5.27.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

##### 27.1.5.5.5.27.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.5.5.27.6 AccountIdentifier <AcctIdr>**

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Card <Card>	[1..1]	Text		1041
Or	MSISDN <MSISDN>	[1..1]	Text		1041
Or	EMail <EMail>	[1..1]	Text		1041
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1041
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1042
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1042
Or	Domestic <Dmst>	[1..1]	Text		1042
Or}	Other <Othr>	[1..1]	Text		1042

**27.1.5.5.5.27.6.1 Card <Card>**

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

**27.1.5.5.5.27.6.2 MSISDN <MSISDN>**

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

**27.1.5.5.5.27.6.3 EMail <EMail>**

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

**27.1.5.5.5.27.6.4 IBAN <IBAN>**

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### **Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### **27.1.5.5.5.27.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

#### **27.1.5.5.5.27.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

#### **27.1.5.5.5.27.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

#### **27.1.5.5.5.27.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

#### **27.1.5.5.5.27.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1043
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1043

#### 27.1.5.5.5.27.7.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 27.1.5.5.5.27.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "[GenericIdentification1](#)" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 27.1.5.5.5.28 AccountTo <AcctTo>

*Presence:* [0..1]

*Definition:* Information relevant to the account where the money is put.

**AccountTo <AcctTo>** contains the following **CardAccount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1044
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1045
	AccountName <AcctNm>	[0..1]	Text		1045
	AccountOwner <AcctOwnr>	[0..1]			1046
	Name <Nm>	[1..1]	Text		1046
	Address <Adr>	[1..1]	±		1046
	Currency <Ccy>	[0..1]	CodeSet	C1	1046
	AccountIdentifier <Acctldr>	[0..1]			1047
{Or	Card <Card>	[1..1]	Text		1047
Or	MSISDN <MSISDN>	[1..1]	Text		1047
Or	EMail <EMail>	[1..1]	Text		1047
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1047
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1048
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1048
Or	Domestic <Dmst>	[1..1]	Text		1048
Or}	Other <Othr>	[1..1]	Text		1048
	Servicer <Svcr>	[0..1]			1048
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1049
Or}	ProprietaryIdentification <Prtryld>	[1..1]	±		1049

#### 27.1.5.5.5.28.1 SelectionMethod <SelctnMtd>

*Presence:* [0..1]

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Datatype:* "AccountChoiceMethod1Code" on page 1340

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.



CodeName	Name	Definition
TPSL	TypeSelected	Type of account selected in a list.

#### 27.1.5.5.28.2 SelectedAccountType <SelctdAcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 27.1.5.5.28.3 AccountName <AcctNm>

*Presence:* [0..1]

*Definition:* Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account.

*Usage:* The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number.

*Datatype:* "Max70Text" on page 1400

#### 27.1.5.5.28.4 AccountOwner <AcctOwnr>

*Presence:* [0..1]

*Definition:* Party that legally owns the account.

**AccountOwner <AcctOwnr>** contains the following **NameAndAddress3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1046
	Address <Adr>	[1..1]	±		1046

##### 27.1.5.5.28.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and is usually used to identify that identity.

*Datatype:* "Max70Text" on page 1400

##### 27.1.5.5.28.4.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Postal address of a party.

**Address <Adr>** contains the following elements (see "PostalAddress1" on page 1270 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

##### 27.1.5.5.28.5 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Identification of the currency in which the account is held.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.5.5.28.6 AccountIdentifier <AcctIdr>**

*Presence:* [0..1]

*Definition:* Unique identifier of the account, as assigned by the account servicer.

**AccountIdentifier <AcctIdr>** contains one of the following **AccountIdentification54Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Card <Card>	[1..1]	Text		1047
Or	MSISDN <MSISDN>	[1..1]	Text		1047
Or	EMail <EMail>	[1..1]	Text		1047
Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1047
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1048
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1048
Or	Domestic <Dmst>	[1..1]	Text		1048
Or}	Other <Othr>	[1..1]	Text		1048

**27.1.5.5.5.28.6.1 Card <Card>**

*Presence:* [1..1]

*Definition:* PAN of the card identifying the account.

*Datatype:* "Min8Max28NumericText" on page 1402

**27.1.5.5.5.28.6.2 MSISDN <MSISDN>**

*Presence:* [1..1]

*Definition:* Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card).

*Datatype:* "Max16Text" on page 1397

**27.1.5.5.5.28.6.3 EMail <EMail>**

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1398

**27.1.5.5.5.28.6.4 IBAN <IBAN>**

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### **Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### **27.1.5.5.5.28.6.5 BBAN <BBAN>**

*Presence:* [1..1]

*Definition:* Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, that is, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

*Datatype:* "BBANIdentifier" on page 1393

#### **27.1.5.5.5.28.6.6 UPIC <UPIC>**

*Presence:* [1..1]

*Definition:* Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Datatype:* "UPICIdentifier" on page 1394

#### **27.1.5.5.5.28.6.7 Domestic <Dmst>**

*Presence:* [1..1]

*Definition:* Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

*Datatype:* "Max35Text" on page 1399

#### **27.1.5.5.5.28.6.8 Other <Othr>**

*Presence:* [1..1]

*Definition:* Other identifier.

*Datatype:* "Max35Text" on page 1399

#### **27.1.5.5.5.28.7 Servicer <Svcr>**

*Presence:* [0..1]

*Definition:* Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.

**Servicer <Svcr>** contains one of the following **PartyIdentification177Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1049
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1049

#### 27.1.5.5.5.28.7.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

#### 27.1.5.5.5.28.7.2 ProprietaryIdentification <PrtryId>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <PrtryId>** contains the following elements (see "[GenericIdentification1](#)" on page 1095 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 27.1.5.5.5.29 AdditionalTransactionData <AddtlTxData>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* "Max70Text" on page 1400

#### 27.1.5.6 CardPaymentTransaction120

*Definition:* Data associated with the transaction for a potential currency conversion.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		1053
	TransactionType <TxTp>	[1..1]	CodeSet		1054
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1054
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1055
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		1055
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		1056
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1056
	TransactionIdentification <TxId>	[1..1]	±		1056
	OriginalTransaction <OrgnlTx>	[0..1]			1056
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1058
	TransactionIdentification <TxId>	[1..1]	±		1058
	POIIdentification <POIID>	[1..1]	±		1058
	CurrencyConversion <CcyConvs>	[0..1]			1058
	Result <Rslt>	[1..1]	CodeSet		1060
	ResultReason <RsltRsn>	[0..1]	Text		1060
	ConversionDetails <ConvsDtls>	[0..*]			1060
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1061
	TargetCurrency <TrgtCcy>	[1..1]			1062
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1062
	NumericCode <NmrcCd>	[1..1]	Text		1062
	Decimal <Dcml>	[1..1]	Quantity		1062
	Name <Nm>	[0..1]	Text		1062
	ResultingAmount <RsltgAmt>	[1..1]	Amount		1062
	ExchangeRate <XchgRate>	[1..1]	Rate		1063
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1063
	QuotationDate <QtnDt>	[0..1]	DateTime		1063
	ValidUntil <VldUntil>	[0..1]	DateTime		1063
	SourceCurrency <SrcCcy>	[1..1]			1063
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1063
	NumericCode <NmrcCd>	[0..1]	Text		1064
	Decimal <Dcml>	[0..1]	Quantity		1064

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1064
	OriginalAmount <OrgnlAmt>	[1..1]			1064
	ActualAmount <ActlAmt>	[0..1]	Amount		1064
	MinimumAmount <MinAmt>	[0..1]	Amount		1064
	MaximumAmount <MaxAmt>	[0..1]	Amount		1065
	CommissionDetails <ComssnDtls>	[0..*]			1065
	Amount <Amt>	[1..1]	Amount		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	MarkUpDetails <MrkUpDtls>	[0..*]			1065
	Rate <Rate>	[1..1]	Rate		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	DeclarationDetails <DclrtDtls>	[0..*]	±		1066
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1066
	IssuerReferenceData <IssrRefData>	[0..1]	Text		1066
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		1066
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		1067
	TransactionDetails <TxDtls>	[1..1]			1067
	Currency <Ccy>	[0..1]	CodeSet	C1	1069
	TotalAmount <TtlAmt>	[1..1]	Amount		1070
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		1070
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1070
	DetailedAmount <DtldAmt>	[0..1]	±		1070
	RequestedAmount <ReqdAmt>	[0..1]	Amount		1071
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		1071
	InvoiceAmount <InvcAmt>	[0..1]	Amount		1071
	ValidityDate <VldtyDt>	[0..1]	Date		1071
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		1071
	UnattendedLevelCategory <UattnddLv/Ctgy>	[0..1]	Text		1072
	AccountType <AcctTp>	[0..1]	CodeSet		1072
	CurrencyConversionResult <CcyConvRslt>	[0..1]			1073
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1075

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Conversion <Convs>	[0..1]			1075
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1076
	TargetCurrency <TrgtCcy>	[1..1]			1077
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1077
	NumericCode <NmrcCd>	[1..1]	Text		1077
	Decimal <Dcml>	[1..1]	Quantity		1077
	Name <Nm>	[0..1]	Text		1077
	ResultingAmount <RsltAmt>	[1..1]	Amount		1077
	ExchangeRate <XchgRate>	[1..1]	Rate		1078
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1078
	QuotationDate <QtnDt>	[0..1]	DateTime		1078
	ValidUntil <VldUntil>	[0..1]	DateTime		1078
	SourceCurrency <SrcCcy>	[1..1]			1078
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1078
	NumericCode <NmrcCd>	[0..1]	Text		1079
	Decimal <Dcml>	[0..1]	Quantity		1079
	Name <Nm>	[0..1]	Text		1079
	OriginalAmount <OrgnlAmt>	[1..1]			1079
	ActualAmount <ActlAmt>	[0..1]	Amount		1079
	MinimumAmount <MinAmt>	[0..1]	Amount		1079
	MaximumAmount <MaxAmt>	[0..1]	Amount		1080
	CommissionDetails <ComssnDtls>	[0..*]			1080
	Amount <Amt>	[1..1]	Amount		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	MarkUpDetails <MrkUpDtls>	[0..*]			1080
	Rate <Rate>	[1..1]	Rate		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	DeclarationDetails <DclrtnDtls>	[0..*]	±		1081
	Instalment <Instlmt>	[0..*]	±		1081
	AggregationTransaction <AggtTx>	[0..1]	±		1082
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		1083



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItem <SaleItm>	[0..*]	±		1083
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1084
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		1084
	AdditionalInformation <AddtlInf>	[0..*]			1084
	Identification <Id>	[1..1]	Text		1085
	Value <Val>	[0..1]	Binary		1085
	ProtectedValue <PrctcdVal>	[0..1]	±		1085
	Type <Tp>	[0..1]	Text		1085
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1085
	AuthorisationResult <AuthstnRslt>	[0..1]			1086
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1086
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1086
	Response <Rspn>	[1..1]	CodeSet		1087
	ResponseReason <RspnRsn>	[0..1]	Text		1087
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1087
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1087
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		1087
	CustomerOrder <CstmrOrd>	[0..1]	±		1087
	CustomerToken <CstmrTkn>	[0..1]	±		1088
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1089
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		1089
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		1089
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		1089
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		1089
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		1089
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		1089

#### 27.1.5.6.1 TransactionCapture <TxCaptr>

*Presence:* [0..1]

*Definition:* Flag indicating whether the transaction data must be captured or not in addition to the message process.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

### 27.1.5.6.2 TransactionType <TxTp>

*Presence:* [1..1]

*Definition:* Type of transaction being undertaken for the main service.

*Datatype:* "CardPaymentServiceType5Code" on page 1359

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.

### 27.1.5.6.3 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.

CodeName	Name	Definition
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 27.1.5.6.4 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 27.1.5.6.5 LastTransactionFlag <LastTxFlg>

*Presence:* [0..1]

*Definition:* Flag indicating processing of the last transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.5.6.6 MerchantCategoryCode <MrchntCtgyCd>***Presence:* [0..1]*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.*Datatype:* "Min3Max4Text" on page 1402**27.1.5.6.7 SaleReferenceIdentification <SaleRefId>***Presence:* [0..1]*Definition:* Global reference of the sale transaction for the sale system.*Datatype:* "Max35Text" on page 1399**27.1.5.6.8 TransactionIdentification <TxId>***Presence:* [1..1]*Definition:* Identification of the transaction assigned by the initiator of the request. For instance refers to POITransactionIdentification if used inside an authorisation request or to SaleTransactionIdentification if the message is a payment request initiated by a sale system.**TransactionIdentification <TxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**27.1.5.6.9 OriginalTransaction <OrgnITx>***Presence:* [0..1]*Definition:* Identification of the original transaction.

**OriginalTransaction <OrgnlTx>** contains the following **CardPaymentTransaction123** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1058
	TransactionIdentification <TxId>	[1..1]	±		1058
	POIIdentification <POIID>	[1..1]	±		1058
	CurrencyConversion <CcyConvs>	[0..1]			1058
	Result <Rslt>	[1..1]	CodeSet		1060
	ResultReason <RsltRsn>	[0..1]	Text		1060
	ConversionDetails <ConvsDtls>	[0..*]			1060
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1061
	TargetCurrency <TrgtCcy>	[1..1]			1062
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1062
	NumericCode <NmrcCd>	[1..1]	Text		1062
	Decimal <Dcml>	[1..1]	Quantity		1062
	Name <Nm>	[0..1]	Text		1062
	ResultingAmount <RsltAmt>	[1..1]	Amount		1062
	ExchangeRate <XchgRate>	[1..1]	Rate		1063
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1063
	QuotationDate <QtnDt>	[0..1]	DateTime		1063
	ValidUntil <VldUntil>	[0..1]	DateTime		1063
	SourceCurrency <SrcCcy>	[1..1]			1063
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1063
	NumericCode <NmrcCd>	[0..1]	Text		1064
	Decimal <Dcml>	[0..1]	Quantity		1064
	Name <Nm>	[0..1]	Text		1064
	OriginalAmount <OrgnlAmt>	[1..1]			1064
	ActualAmount <ActlAmt>	[0..1]	Amount		1064
	MinimumAmount <MinAmt>	[0..1]	Amount		1064
	MaximumAmount <MaxAmt>	[0..1]	Amount		1065
	CommissionDetails <ComssnDtls>	[0..*]			1065
	Amount <Amt>	[1..1]	Amount		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	MarkUpDetails <MrkUpDtls>	[0..*]			1065

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	DeclarationDetails <DclrtnDtls>	[0..*]	±		1066

#### 27.1.5.6.9.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.6.9.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "TransactionIdentifier1" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 27.1.5.6.9.3 POIIdentification <POIID>

*Presence:* [1..1]

*Definition:* Identification of the POI (Point Of Interaction) performing the transaction.

**POIIdentification <POIID>** contains the following elements (see "GenericIdentification32" on page 1105 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1105
	Type <Tp>	[0..1]	CodeSet		1105
	Issuer <Issr>	[0..1]	CodeSet		1105
	ShortName <ShrtNm>	[0..1]	Text		1106

#### 27.1.5.6.9.4 CurrencyConversion <CcyConvs>

*Presence:* [0..1]

*Definition:* Link to a previous currency conversion.

**CurrencyConversion <CcyConvs>** contains the following **CurrencyConversion25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[1..1]	CodeSet		1060
	ResultReason <RsltRsn>	[0..1]	Text		1060
	ConversionDetails <ConvsDtls>	[0..*]			1060
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1061
	TargetCurrency <TrgtCcy>	[1..1]			1062
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1062
	NumericCode <NmrcCd>	[1..1]	Text		1062
	Decimal <Dcml>	[1..1]	Quantity		1062
	Name <Nm>	[0..1]	Text		1062
	ResultingAmount <RsltAmt>	[1..1]	Amount		1062
	ExchangeRate <XchgRate>	[1..1]	Rate		1063
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		1063
	QuotationDate <QtnDt>	[0..1]	DateTime		1063
	ValidUntil <VldUntil>	[0..1]	DateTime		1063
	SourceCurrency <SrcCcy>	[1..1]			1063
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1063
	NumericCode <NmrcCd>	[0..1]	Text		1064
	Decimal <Dcml>	[0..1]	Quantity		1064
	Name <Nm>	[0..1]	Text		1064
	OriginalAmount <OrgnlAmt>	[1..1]			1064
	ActualAmount <ActlAmt>	[0..1]	Amount		1064
	MinimumAmount <MinAmt>	[0..1]	Amount		1064
	MaximumAmount <MaxAmt>	[0..1]	Amount		1065
	CommissionDetails <ComssnDtls>	[0..*]			1065
	Amount <Amt>	[1..1]	Amount		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	MarkUpDetails <MrkUpDtls>	[0..*]			1065
	Rate <Rate>	[1..1]	Rate		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	DeclarationDetails <DclrtDtls>	[0..*]	±		1066

**27.1.5.6.9.4.1 Result <Rslt>***Presence:* [1..1]*Definition:* Result of a requested currency conversion.*Datatype:* "CurrencyConversionResponse3Code" on page 1362

CodeName	Name	Definition
ODCC	Allowed	Dynamic currency conversion may be offered to the cardholder.
DCCA	Assumed	Transaction authorised with dynamic currency conversion.
ICRD	InvalidCard	The card is not valid for dynamic currency conversion.
IMER	InvalidMerchant	The card acceptor has not been recognised.
IPRD	InvalidProduct	Dynamic currency conversion service cannot be offered for this card product.
IRAT	NoRate	Exchange rates are not available.
NDCC	NotAvailable	Dynamic currency conversion is not available for other reason.
REST	Restriction	Conversion accepted for the requested amount exclusively.
CATG	Catalogue	Conversion accepted for a range of amounts.

**27.1.5.6.9.4.2 ResultReason <RsltRsn>***Presence:* [0..1]*Definition:* Plain text explaining the result of the currency conversion request.*Datatype:* "Max35Text" on page 1399**27.1.5.6.9.4.3 ConversionDetails <ConvvsDtls>***Presence:* [0..\*]*Definition:* Information about the conversion of currency.



**ConversionDetails <ConvDtls>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		1061
	TargetCurrency <TrgtCcy>	[1..1]			1062
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1062
	NumericCode <NmrcCd>	[1..1]	Text		1062
	Decimal <Dcml>	[1..1]	Quantity		1062
	Name <Nm>	[0..1]	Text		1062
	ResultingAmount <RsltAmt>	[1..1]	Amount		1062
	ExchangeRate <XchgRate>	[1..1]	Rate		1063
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1063
	QuotationDate <QtnDt>	[0..1]	DateTime		1063
	ValidUntil <VldUntil>	[0..1]	DateTime		1063
	SourceCurrency <SrcCcy>	[1..1]			1063
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1063
	NumericCode <NmrcCd>	[0..1]	Text		1064
	Decimal <Dcml>	[0..1]	Quantity		1064
	Name <Nm>	[0..1]	Text		1064
	OriginalAmount <OrgnlAmt>	[1..1]			1064
	ActualAmount <ActlAmt>	[0..1]	Amount		1064
	MinimumAmount <MinAmt>	[0..1]	Amount		1064
	MaximumAmount <MaxAmt>	[0..1]	Amount		1065
	CommissionDetails <ComssnDtls>	[0..*]			1065
	Amount <Amt>	[1..1]	Amount		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	MarkUpDetails <MrkUpDtls>	[0..*]			1065
	Rate <Rate>	[1..1]	Rate		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	DeclarationDetails <DclrtDtls>	[0..*]	±		1066

#### 27.1.5.6.9.4.3.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

**27.1.5.6.9.4.3.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1062
	NumericCode <NmrcCd>	[1..1]	Text		1062
	Decimal <Dcml>	[1..1]	Quantity		1062
	Name <Nm>	[0..1]	Text		1062

**27.1.5.6.9.4.3.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.6.9.4.3.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**27.1.5.6.9.4.3.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**27.1.5.6.9.4.3.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**27.1.5.6.9.4.3.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **27.1.5.6.9.4.3.4 ExchangeRate <XchgRate>**

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.6.9.4.3.5 InvertedExchangeRate <NvrtdXchgRate>**

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.6.9.4.3.6 QuotationDate <QtnDt>**

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### **27.1.5.6.9.4.3.7 ValidUntil <VldUntil>**

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### **27.1.5.6.9.4.3.8 SourceCurrency <SrcCcy>**

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1063
	NumericCode <NmrcCd>	[0..1]	Text		1064
	Decimal <Dcml>	[0..1]	Quantity		1064
	Name <Nm>	[0..1]	Text		1064

##### **27.1.5.6.9.4.3.8.1 AlphaCode <AlphaCd>**

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.6.9.4.3.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**27.1.5.6.9.4.3.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**27.1.5.6.9.4.3.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**27.1.5.6.9.4.3.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		1064
	MinimumAmount <MinAmt>	[0..1]	Amount		1064
	MaximumAmount <MaxAmt>	[0..1]	Amount		1065

**27.1.5.6.9.4.3.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.6.9.4.3.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.6.9.4.3.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.6.9.4.3.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065

**27.1.5.6.9.4.3.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.6.9.4.3.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**27.1.5.6.9.4.3.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065

**27.1.5.6.9.4.3.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**27.1.5.6.9.4.3.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1398

#### 27.1.5.6.9.4.3.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 27.1.5.6.10 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Unique identification of the Acquirer/Acceptor reconciliation period.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.6.11 IssuerReferenceData <IssrRefData>

*Presence:* [0..1]

*Definition:* Identification of the transaction given by the Issuer.

*Datatype:* "Max140Text" on page 1397

#### 27.1.5.6.12 IssuerCITIdentification <IssrCITId>

*Presence:* [0..1]

*Definition:* Identification, given by the Issuer, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

**27.1.5.6.13 MerchantCITIdentification <MrchntCITId>**

*Presence:* [0..1]

*Definition:* Identification, given by the merchant, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

*Datatype:* "Max140Text" on page 1397

**27.1.5.6.14 TransactionDetails <TxDtIs>**

*Presence:* [1..1]

*Definition:* Details of the transaction.

**TransactionDetails <TxDtIs>** contains the following **CardPaymentTransactionDetails51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1069
	TotalAmount <TtlAmt>	[1..1]	Amount		1070
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		1070
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1070
	DetailedAmount <DtldAmt>	[0..1]	±		1070
	RequestedAmount <ReqdAmt>	[0..1]	Amount		1071
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		1071
	InvoiceAmount <InvcAmt>	[0..1]	Amount		1071
	ValidityDate <VldtyDt>	[0..1]	Date		1071
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		1071
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		1072
	AccountType <AcctTp>	[0..1]	CodeSet		1072
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			1073
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1075
	Conversion <Convs>	[0..1]			1075
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1076
	TargetCurrency <TrgtCcy>	[1..1]			1077
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1077
	NumericCode <NmrcCd>	[1..1]	Text		1077
	Decimal <Dcml>	[1..1]	Quantity		1077
	Name <Nm>	[0..1]	Text		1077
	ResultingAmount <RsltgAmt>	[1..1]	Amount		1077
	ExchangeRate <XchgRate>	[1..1]	Rate		1078
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1078
	QuotationDate <QtnDt>	[0..1]	DateTime		1078
	ValidUntil <VldUntil>	[0..1]	DateTime		1078
	SourceCurrency <SrcCcy>	[1..1]			1078
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1078
	NumericCode <NmrcCd>	[0..1]	Text		1079
	Decimal <Dcml>	[0..1]	Quantity		1079
	Name <Nm>	[0..1]	Text		1079



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalAmount <OrgnlAmt>	[1..1]			1079
	ActualAmount <ActlAmt>	[0..1]	Amount		1079
	MinimumAmount <MinAmt>	[0..1]	Amount		1079
	MaximumAmount <MaxAmt>	[0..1]	Amount		1080
	CommissionDetails <ComssnDtls>	[0..*]			1080
	Amount <Amt>	[1..1]	Amount		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	MarkUpDetails <MrkUpDtls>	[0..*]			1080
	Rate <Rate>	[1..1]	Rate		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	DeclarationDetails <DclrtDtls>	[0..*]	±		1081
	Instalment <Instlmt>	[0..*]	±		1081
	AggregationTransaction <AggtTx>	[0..1]	±		1082
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		1083
	SaleItem <Saleitm>	[0..*]	±		1083
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1084
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		1084
	AdditionalInformation <AddtlInf>	[0..*]			1084
	Identification <Id>	[1..1]	Text		1085
	Value <Val>	[0..1]	Binary		1085
	ProtectedValue <PrtctdVal>	[0..1]	±		1085
	Type <Tp>	[0..1]	Text		1085
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1085

#### 27.1.5.6.14.1 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency associated with the transaction.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 27.1.5.6.14.2 TotalAmount <TtlAmt>

*Presence:* [1..1]

*Definition:* Total amount of the transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.6.14.3 CumulativeAmount <CmltvAmt>

*Presence:* [0..1]

*Definition:* Contains the updated amount of all authorisations related to the same business transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.6.14.4 AmountQualifier <AmtQlfr>

*Presence:* [0..1]

*Definition:* Qualifies the amount associated with the transaction.

*Datatype:* "TypeOfAmount8Code" on page 1388

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

#### 27.1.5.6.14.5 DetailedAmount <DtldAmt>

*Presence:* [0..1]

*Definition:* Detailed amounts associated with the total amount of transaction.

**DetailedAmount <DtldAmt>** contains the following elements (see "DetailedAmount15" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		860
	CashBack <CshBck>	[0..1]	Amount		860
	Gratuity <Grtty>	[0..1]	Amount		860
	Fees <Fees>	[0..*]	±		860
	Rebate <Rbt>	[0..*]	±		861
	ValueAddedTax <ValAddedTax>	[0..*]	±		861
	Surcharge <Srchr>	[0..*]	±		861

#### 27.1.5.6.14.6 RequestedAmount <ReqdAmt>

*Presence:* [0..1]

*Definition:* Amount requested to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.6.14.7 AuthorisedAmount <AuthrsdAmt>

*Presence:* [0..1]

*Definition:* Amount authorised for the payment transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.6.14.8 InvoiceAmount <InvcAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction that will be invoiced to the cardholder.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.5.6.14.9 ValidityDate <VldtyDt>

*Presence:* [0..1]

*Definition:* Transaction authorisation deadline to complete the related payment.

*Datatype:* "ISODate" on page 1392

#### 27.1.5.6.14.10 OnLineReason <OnLineRsn>

*Presence:* [0..\*]

*Definition:* Reason to process an online authorisation.

*Datatype:* "OnLineReason2Code" on page 1374

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.

CodeName	Name	Definition
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

#### 27.1.5.6.14.11 UnattendedLevelCategory <UattnddLvIctgy>

*Presence:* [0..1]

*Definition:* Transaction category level on an unattended POI (Point Of Interaction).

*Datatype:* "Max35NumericText" on page 1399

#### 27.1.5.6.14.12 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1354

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.

CodeName	Name	Definition
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 27.1.5.6.14.13 CurrencyConversionResult <CcyConvRsIt>

*Presence:* [0..1]

*Definition:* Result of the currency conversion proposed to the cardholder.

**CurrencyConversionResult <CcyConvRsIt>** contains the following **CurrencyConversion24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1075
	Conversion <Convs>	[0..1]			1075
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		1076
	TargetCurrency <TrgtCcy>	[1..1]			1077
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1077
	NumericCode <NmrcCd>	[1..1]	Text		1077
	Decimal <Dcml>	[1..1]	Quantity		1077
	Name <Nm>	[0..1]	Text		1077
	ResultingAmount <RsltAmt>	[1..1]	Amount		1077
	ExchangeRate <XchgRate>	[1..1]	Rate		1078
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1078
	QuotationDate <QtnDt>	[0..1]	DateTime		1078
	ValidUntil <VldUntil>	[0..1]	DateTime		1078
	SourceCurrency <SrcCcy>	[1..1]			1078
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1078
	NumericCode <NmrcCd>	[0..1]	Text		1079
	Decimal <Dcml>	[0..1]	Quantity		1079
	Name <Nm>	[0..1]	Text		1079
	OriginalAmount <OrgnlAmt>	[1..1]			1079
	ActualAmount <ActlAmt>	[0..1]	Amount		1079
	MinimumAmount <MinAmt>	[0..1]	Amount		1079
	MaximumAmount <MaxAmt>	[0..1]	Amount		1080
	CommissionDetails <ComssnDtls>	[0..*]			1080
	Amount <Amt>	[1..1]	Amount		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	MarkUpDetails <MrkUpDtls>	[0..*]			1080
	Rate <Rate>	[1..1]	Rate		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	DeclarationDetails <DclrtnDtls>	[0..*]	±		1081

**27.1.5.6.14.13.1 AcceptedByCardholder <AccptdByCrdhldr>**

*Presence:* [0..1]

*Definition:* True if the cardholder has accepted the currency conversion that the acquirer has proposed.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**27.1.5.6.14.13.2 Conversion <Convs>**

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

**Conversion <Convs>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		1076
	TargetCurrency <TrgtCcy>	[1..1]			1077
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1077
	NumericCode <NmrcCd>	[1..1]	Text		1077
	Decimal <Dcml>	[1..1]	Quantity		1077
	Name <Nm>	[0..1]	Text		1077
	ResultingAmount <RsltgAmt>	[1..1]	Amount		1077
	ExchangeRate <XchgRate>	[1..1]	Rate		1078
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1078
	QuotationDate <QtnDt>	[0..1]	DateTime		1078
	ValidUntil <VldUntil>	[0..1]	DateTime		1078
	SourceCurrency <SrcCcy>	[1..1]			1078
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1078
	NumericCode <NmrcCd>	[0..1]	Text		1079
	Decimal <Dcml>	[0..1]	Quantity		1079
	Name <Nm>	[0..1]	Text		1079
	OriginalAmount <OrgnlAmt>	[1..1]			1079
	ActualAmount <ActlAmt>	[0..1]	Amount		1079
	MinimumAmount <MinAmt>	[0..1]	Amount		1079
	MaximumAmount <MaxAmt>	[0..1]	Amount		1080
	CommissionDetails <ComssnDtls>	[0..*]			1080
	Amount <Amt>	[1..1]	Amount		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	MarkUpDetails <MrkUpDtls>	[0..*]			1080
	Rate <Rate>	[1..1]	Rate		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	DeclarationDetails <DclrtDtls>	[0..*]	±		1081

#### 27.1.5.6.14.13.2.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399



**27.1.5.6.14.13.2.2 TargetCurrency <TrgtCcy>***Presence:* [1..1]*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1077
	NumericCode <NmrcCd>	[1..1]	Text		1077
	Decimal <Dcml>	[1..1]	Quantity		1077
	Name <Nm>	[0..1]	Text		1077

**27.1.5.6.14.13.2.2.1 AlphaCode <AlphaCd>***Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.6.14.13.2.2.2 NumericCode <NmrcCd>***Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1396**27.1.5.6.14.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1395**27.1.5.6.14.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 1399**27.1.5.6.14.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **27.1.5.6.14.13.2.4 ExchangeRate <XchgRate>**

*Presence:* [1..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.6.14.13.2.5 InvertedExchangeRate <NvrtdXchgRate>**

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1395

#### **27.1.5.6.14.13.2.6 QuotationDate <QtnDt>**

*Presence:* [0..1]

*Definition:* Date and time at which the exchange rate has been quoted.

*Datatype:* "ISODateTime" on page 1392

#### **27.1.5.6.14.13.2.7 ValidUntil <VldUntil>**

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1392

#### **27.1.5.6.14.13.2.8 SourceCurrency <SrcCcy>**

*Presence:* [1..1]

*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1078
	NumericCode <NmrcCd>	[0..1]	Text		1079
	Decimal <Dcml>	[0..1]	Quantity		1079
	Name <Nm>	[0..1]	Text		1079

##### **27.1.5.6.14.13.2.8.1 AlphaCode <AlphaCd>**

*Presence:* [0..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

**27.1.5.6.14.13.2.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

**27.1.5.6.14.13.2.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

**27.1.5.6.14.13.2.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**27.1.5.6.14.13.2.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		1079
	MinimumAmount <MinAmt>	[0..1]	Amount		1079
	MaximumAmount <MaxAmt>	[0..1]	Amount		1080

**27.1.5.6.14.13.2.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.6.14.13.2.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.5.6.14.13.2.9.3 MaximumAmount <MaxAmt>***Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.6.14.13.2.10 CommissionDetails <ComssnDtls>***Presence:* [0..\*]*Definition:* Commission or additional charges made as part of a currency conversion.**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080

**27.1.5.6.14.13.2.10.1 Amount <Amt>***Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.5.6.14.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1398**27.1.5.6.14.13.2.11 MarkupDetails <MrkUpDtls>***Presence:* [0..\*]*Definition:* Markup made as part of a currency conversion.**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080

**27.1.5.6.14.13.2.11.1 Rate <Rate>***Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1395**27.1.5.6.14.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1398

#### 27.1.5.6.14.13.2.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..\*]

*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 27.1.5.6.14.14 Instalment <Instlmt>

*Presence:* [0..\*]

*Definition:* Data related to a financial loan (instalment) or to a recurring transaction.

**Instalment <Instlmt>** contains the following elements (see "RecurringTransaction4" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 27.1.5.6.14.15 AggregationTransaction <AggtnTx>

*Presence:* [0..1]

*Definition:* Payment transaction with an aggregated amount.

**AggregationTransaction <AggtnTx>** contains the following elements (see "AggregationTransaction3" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Lbl>	[0..1]	Text		1255

#### 27.1.5.6.14.16 ProductCodeSetIdentification <PdctCdSetId>

*Presence:* [0..1]

*Definition:* Codification used to identify the products.

*Datatype:* "Max10Text" on page 1396

#### 27.1.5.6.14.17 SaleItem <Saleitm>

*Presence:* [0..\*]

*Definition:* Item purchased with the transaction.

**SaleItem <SaleItm>** contains the following elements (see "Product6" on page 1255 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1259
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 27.1.5.6.14.18 DeliveryLocation <DlvryLctn>

*Presence:* [0..1]

*Definition:* Location of the delivery, for instance pump number or parking bay.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.6.14.19 ReSubmissionCounter <ReSubmissnCnt>

*Presence:* [0..1]

*Definition:* In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

*Datatype:* "PositiveNumber" on page 1395

#### 27.1.5.6.14.20 AdditionalInformation <AddtlInf>

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).



**AdditionalInformation <AddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1085
	Value <Val>	[0..1]	Binary		1085
	ProtectedValue <PrctcdVal>	[0..1]	±		1085
	Type <Tp>	[0..1]	Text		1085

#### 27.1.5.6.14.20.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.5.6.14.20.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 27.1.5.6.14.20.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 27.1.5.6.14.20.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.5.6.14.21 ICCRelatedData <ICCRltdData>

*Presence:* [0..1]

*Definition:* Data related to an integrated circuit card application.

*Datatype:* "Max10000Binary" on page 1338

**27.1.5.6.15 AuthorisationResult <AuthstnRsIt>***Presence:* [0..1]*Definition:* Outcome of the authorisation request.**AuthorisationResult <AuthstnRsIt>** contains the following **AuthorisationResult18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1086
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1086
	Response <Rspn>	[1..1]	CodeSet		1087
	ResponseReason <RspnRsn>	[0..1]	Text		1087
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1087
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1087

**27.1.5.6.15.1 AuthorisationEntity <AuthstnNtty>***Presence:* [0..1]*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

**27.1.5.6.15.2 ResponseToAuthorisation <RspnToAuthstn>***Presence:* [1..1]*Definition:* Response to an authorisation request.**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1087
	ResponseReason <RspnRsn>	[0..1]	Text		1087
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1087

**27.1.5.6.15.2.1 Response <Rspn>***Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**27.1.5.6.15.2.2 ResponseReason <RspnRsn>***Presence:* [0..1]*Definition:* Detailed result of the transaction.*Datatype:* "Max35Text" on page 1399**27.1.5.6.15.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1397**27.1.5.6.15.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 1401**27.1.5.6.16 MerchantReferenceData <MrchntRefData>***Presence:* [0..1]*Definition:* Merchant information that must be returned unchanged in the response.*Datatype:* "Max70Text" on page 1400**27.1.5.6.17 CustomerOrder <CstmrOrdr>***Presence:* [0..1]*Definition:* Customer Order processing data.

**CustomerOrder <CstmrOrd>** contains the following elements (see "[CustomerOrder1](#)" on page 1246 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		1247
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		1247
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		1247
	StartDate <StartDt>	[1..1]	DateTime		1247
	EndDate <EndDt>	[0..1]	DateTime		1247
	Unit <Unit>	[0..1]	CodeSet		1248
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		1248
	CurrentAmount <CurAmt>	[0..1]	Amount		1248
	Currency <Ccy>	[0..1]	CodeSet	C1	1248
	AccessedBy <AccsdBy>	[0..1]	Text		1248
	AdditionalInformation <AddtlInf>	[0..1]	Text		1248

#### 27.1.5.6.18 CustomerToken <CstmrTkn>

*Presence:* [0..1]

*Definition:* Customer payment token information.

**CustomerToken <CstmrTkn>** contains the following elements (see "[CardPaymentToken5](#)" on page 1335 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		1335
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1335
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1335
	TokenCharacteristic <TknChrtc>	[0..*]	Text		1336
	TokenRequestor <TknRqstr>	[0..1]			1336
	ProviderIdentification <PrvdId>	[1..1]	Text		1336
	RequestorIdentification <RqstrId>	[1..1]	Text		1336
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		1336
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		1336
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1336
	TokenInitiatedIndicator <TknInittlInd>	[0..1]	Indicator		1337

**27.1.5.6.19 CustomerConsent <CstmrCnsnt>**

*Presence:* [0..1]

*Definition:* This enables retailers, if they so wish, to clearly indicate whether the consent of the customer was explicitly obtained for a given service instead of being implicitly derived.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**27.1.5.6.20 CardProgrammeProposed <CardPrgrmmPropsd>**

*Presence:* [0..\*]

*Definition:* The card program proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

*Datatype:* ["Max35Text"](#) on page 1399

**27.1.5.6.21 CardProgrammeApplied <CardPrgrmmApld>**

*Presence:* [0..1]

*Definition:* The card program actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

*Datatype:* ["Max35Text"](#) on page 1399

**27.1.5.6.22 SaleToPOIData <SaleToPOIData>**

*Presence:* [0..1]

*Definition:* The POI System receives this information.

*Datatype:* ["Max70Text"](#) on page 1400

**27.1.5.6.23 SaleToAcquirerData <SaleToAcqrrData>**

*Presence:* [0..1]

*Definition:* Sale information intended for the Acquirer.

*Datatype:* ["Max70Text"](#) on page 1400

**27.1.5.6.24 SaleToIssuerData <SaleToIssrData>**

*Presence:* [0..1]

*Definition:* Sale information intended for the Issuer.

*Datatype:* ["Max70Text"](#) on page 1400

**27.1.5.6.25 AdditionalTransactionData <AddtlTxData>**

*Presence:* [0..\*]

*Definition:* Additional information related to the transaction.

*Datatype:* ["Max70Text"](#) on page 1400

**27.1.5.7 CardPaymentTransaction122**

*Definition:* Identification of the original transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1090
	TransactionIdentification <TxId>	[1..1]	±		1090
	POIIdentification <POIID>	[0..1]	±		1090
	InitiatorTransactionIdentification <InitrTxId>	[0..1]	Text		1091
	RecipientTransactionIdentification <RcptTxId>	[0..1]	Text		1091
	TransactionType <TxTp>	[1..1]	CodeSet		1091
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1092
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1092
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1093
	TransactionResult <TxRslt>	[0..1]			1093
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 27.1.5.7.1 SaleReferenceIdentification <SaleRefId>

*Presence:* [0..1]

*Definition:* Global reference of the sale transaction for the sale system.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.7.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Unique identification of the transaction assigned by the POI (Point Of Interaction).

**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

#### 27.1.5.7.3 POIIdentification <POIID>

*Presence:* [0..1]

*Definition:* Identification of the POI (Point Of Interaction) performing the transaction.

**POIIdentification <POIID>** contains the following elements (see "[GenericIdentification32](#)" on page 1105 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1105
	Type <Tp>	[0..1]	CodeSet		1105
	Issuer <Issr>	[0..1]	CodeSet		1105
	ShortName <ShrtNm>	[0..1]	Text		1106

#### 27.1.5.7.4 InitiatorTransactionIdentification <InitrTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the initiating party for the recipient party.

*Datatype:* "[Max35Text](#)" on page 1399

#### 27.1.5.7.5 RecipientTransactionIdentification <RcptTxId>

*Presence:* [0..1]

*Definition:* Identification of the transaction assigned by the recipient party for the initiating party.

*Datatype:* "[Max140Text](#)" on page 1397

#### 27.1.5.7.6 TransactionType <TxTp>

*Presence:* [1..1]

*Definition:* Type of transaction being undertaken for the main service.

*Datatype:* "[CardPaymentServiceType12Code](#)" on page 1357

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.

CodeName	Name	Definition
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

#### 27.1.5.7.7 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 27.1.5.7.8 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358



CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 27.1.5.7.9 CardDataEntryMode <CardDataNtryMd>

*Presence:* [0..1]

*Definition:* Entry mode of the card information.

*Datatype:* "CardDataReading8Code" on page 1355

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.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

#### 27.1.5.7.10 TransactionResult <TxRslt>

*Presence:* [0..1]

*Definition:* Result of the original transaction.

**TransactionResult <TxRslt>** contains the following **CardPaymentTransactionResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1094
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1094
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1095

#### 27.1.5.7.10.1 AuthorisationEntity <AuthstnNtty>

*Presence:* [0..1]

*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).

**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

#### 27.1.5.7.10.2 ResponseToAuthorisation <RspnToAuthstn>

*Presence:* [1..1]

*Definition:* Response to an authorisation from the acquirer.

**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1094
	ResponseReason <RspnRsn>	[0..1]	Text		1095
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1095

#### 27.1.5.7.10.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the transaction.

*Datatype:* "[Response9Code](#)" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 27.1.5.7.10.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

#### 27.1.5.7.10.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information on the response for further examination.

*Datatype:* "Max140Text" on page 1397

#### 27.1.5.7.10.3 AuthorisationCode <AuthstnCd>

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Min6Max8Text" on page 1402

## 27.1.6 Identification Information

### 27.1.6.1 GenericIdentification1

*Definition:* Information related to an identification, for example party identification or account identification.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1095
	SchemeName <SchmeNm>	[0..1]	Text		1096
	Issuer <Issr>	[0..1]	Text		1096

#### 27.1.6.1.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification assigned by an institution.

*Datatype:* "Max35Text" on page 1399

**27.1.6.1.2 SchemeName <SchmeNm>***Presence:* [0..1]*Definition:* Name of the identification scheme.*Datatype:* "Max35Text" on page 1399**27.1.6.1.3 Issuer <Issr>***Presence:* [0..1]*Definition:* Entity that assigns the identification.*Datatype:* "Max35Text" on page 1399**27.1.6.2 GenericIdentification177***Definition:* Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

**27.1.6.2.1 Identification <Id>***Presence:* [1..1]*Definition:* Identification of the entity.*Datatype:* "Max35Text" on page 1399**27.1.6.2.2 Type <Tp>***Presence:* [0..1]*Definition:* Type of identified entity.*Datatype:* "PartyType33Code" on page 1376

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
MTMG	MasterTerminalManager	Responsible for the maintenance of a card payment acceptance terminal.
TAXH	TaxAuthority	Tax authority.
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.

### 27.1.6.2.3 Issuer <Issr>

*Presence:* [0..1]

*Definition:* Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

*Datatype:* "PartyType33Code" on page 1376

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
MTMG	MasterTerminalManager	Responsible for the maintenance of a card payment acceptance terminal.
TAXH	TaxAuthority	Tax authority.
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.

**27.1.6.2.4 Country <Ctry>***Presence:* [0..1]*Definition:* Country of the entity (ISO 3166-1 alpha-2 or alpha-3).*Datatype:* "Min2Max3AlphaText" on page 1401**27.1.6.2.5 ShortName <ShrtNm>***Presence:* [0..1]*Definition:* Name of the entity.*Datatype:* "Max35Text" on page 1399**27.1.6.2.6 RemoteAccess <RmotAccs>***Presence:* [0..1]*Definition:* Access information to reach the target host.**RemoteAccess <RmotAccs>** contains the following elements (see "NetworkParameters7" on page 1269 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			1269
	NetworkType <NtwkTp>	[1..1]	CodeSet		1269
	AddressValue <AdrVal>	[1..1]	Text		1269
	UserName <UsrNm>	[0..1]	Text		1270
	AccessCode <AccsCd>	[0..1]	Binary		1270
	ServerCertificate <SvrCert>	[0..*]	Binary		1270
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		1270
	ClientCertificate <CIntCert>	[0..*]	Binary		1270
	SecurityProfile <SctyPrfl>	[0..1]	Text		1270

**27.1.6.2.7 Geolocation <Glctn>***Presence:* [0..1]*Definition:* Location of the entity.

**Geolocation <Glctn>** contains the following **Geolocation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 27.1.6.2.7.1 GeographicCoordinates <GeogcCordints>

*Presence:* [0..1]

*Definition:* Geographic location specified by geographic coordinates.

**GeographicCoordinates <GeogcCordints>** contains the following **GeolocationGeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099

##### 27.1.6.2.7.1.1 Latitude <Lat>

*Presence:* [1..1]

*Definition:* Angular distance of a location on the earth south or north of the equator.

The latitude is 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 the Eiffel Tower latitude.

*Datatype:* "Max35Text" on page 1399

##### 27.1.6.2.7.1.2 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: 23°27'30" E.

*Datatype:* "Max35Text" on page 1399

##### 27.1.6.2.7.2 UTMCoordinates <UTMCordints>

*Presence:* [0..1]

*Definition:* Geographic location specified by UTM coordinates.

**UTMCoordinates <UTMCordints>** contains the following **GeolocationUTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 27.1.6.2.7.2.1 UTMZone <UTMZone>

*Presence:* [1..1]

*Definition:* UTM grid zone combination of the longitude zone (1 to 60) and the latitude band (C to X, excluding I and O).

*Datatype:* "Max35Text" on page 1399

#### 27.1.6.2.7.2.2 UTMEastward <UTMEstwr>

*Presence:* [1..1]

*Definition:* X-coordinate of the Universal Transverse Mercator coordinate system.

*Datatype:* "Max35Text" on page 1399

#### 27.1.6.2.7.2.3 UTMNorthward <UTMNrthwr>

*Presence:* [1..1]

*Definition:* Y-coordinate of the Universal Transverse Mercator coordinate system.

*Datatype:* "Max35Text" on page 1399

### 27.1.6.3 GenericIdentification176

*Definition:* Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

#### 27.1.6.3.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the entity.

*Datatype:* "Max35Text" on page 1399



**27.1.6.3.2 Type <Tp>***Presence:* [0..1]*Definition:* Type of identified entity.*Datatype:* "PartyType33Code" on page 1376

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
MTMG	MasterTerminalManager	Responsible for the maintenance of a card payment acceptance terminal.
TAXH	TaxAuthority	Tax authority.
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.

**27.1.6.3.3 Issuer <Issr>***Presence:* [0..1]*Definition:* Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).*Datatype:* "PartyType33Code" on page 1376

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
MTMG	MasterTerminalManager	Responsible for the maintenance of a card payment acceptance terminal.
TAXH	TaxAuthority	Tax authority.
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.

#### 27.1.6.3.4 Country <Ctry>

*Presence:* [0..1]

*Definition:* Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

*Datatype:* "Min2Max3AlphaText" on page 1401

#### 27.1.6.3.5 ShortName <ShrtNm>

*Presence:* [0..1]

*Definition:* Name of the entity.

*Datatype:* "Max35Text" on page 1399

#### 27.1.6.4 GenericIdentification90

*Definition:* Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

##### 27.1.6.4.1 Identification <Id>

*Presence:* [0..1]

*Definition:* Identification of the entity.

*Datatype:* "Max35Text" on page 1399

##### 27.1.6.4.2 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of identified entity.

*Datatype:* "PartyType14Code" on page 1375

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.

CodeName	Name	Definition
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
ICCA	CardApplication	Application in the smart card.

#### 27.1.6.4.3 Issuer <Issr>

*Presence:* [0..1]

*Definition:* Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

*Datatype:* "PartyType4Code" on page 1377

CodeName	Name	Definition
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
TAXH	TaxAuthority	Tax authority.

#### 27.1.6.4.4 Country <Ctry>

*Presence:* [0..1]

*Definition:* Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

*Datatype:* "Min2Max3AlphaText" on page 1401

#### 27.1.6.4.5 ShortName <ShrtNm>

*Presence:* [0..1]

*Definition:* Name of the entity.

*Datatype:* "Max35Text" on page 1399

#### 27.1.6.5 GenericIdentification36

*Definition:* Identification using a proprietary scheme.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1104
	Issuer <Issr>	[1..1]	Text		1104
	SchemeName <SchmeNm>	[0..1]	Text		1104

#### 27.1.6.5.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Proprietary information, often a code, issued by the data source scheme issuer.

*Datatype:* "Max35Text" on page 1399

#### 27.1.6.5.2 Issuer <Issr>

*Presence:* [1..1]

*Definition:* Entity that assigns the identification.

*Datatype:* "Max35Text" on page 1399

#### 27.1.6.5.3 SchemeName <SchmeNm>

*Presence:* [0..1]

*Definition:* Short textual description of the scheme.

*Datatype:* "Max35Text" on page 1399

#### 27.1.6.6 GenericIdentification4

*Definition:* Information related to an identification, eg, party identification or account identification.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1104
	IdentificationType <IdTp>	[1..1]	Text		1104

##### 27.1.6.6.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identifier issued to a person for which no specific identifier has been defined.

*Datatype:* "Max35Text" on page 1399

##### 27.1.6.6.2 IdentificationType <IdTp>

*Presence:* [1..1]

*Definition:* Specifies the nature of the identifier.

*Usage:* IdentificationType is used to specify what kind of identifier is used. It should be used in case the identifier is different from the identifiers listed in the pre-defined identifier list.

*Datatype:* "Max35Text" on page 1399

### 27.1.6.7 GenericIdentification32

*Definition:* Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1105
	Type <Tp>	[0..1]	CodeSet		1105
	Issuer <Issr>	[0..1]	CodeSet		1105
	ShortName <ShrtNm>	[0..1]	Text		1106

#### 27.1.6.7.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the entity.

*Datatype:* "Max35Text" on page 1399

#### 27.1.6.7.2 Type <Tp>

*Presence:* [0..1]

*Definition:* Type of identified entity.

*Datatype:* "PartyType3Code" on page 1376

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.

#### 27.1.6.7.3 Issuer <Issr>

*Presence:* [0..1]

*Definition:* Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

*Datatype:* "PartyType4Code" on page 1377

CodeName	Name	Definition
MERC	Merchant	Merchant providing goods and service in the card payment transaction.

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
TAXH	TaxAuthority	Tax authority.

#### 27.1.6.7.4 ShortName <ShrtNm>

*Presence:* [0..1]

*Definition:* Name of the entity.

*Datatype:* "Max35Text" on page 1399

## 27.1.7 Miscellaneous

### 27.1.7.1 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		1106
	Envelope <Envlp>	[1..1]	(External Schema)		1106

#### 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.

#### 27.1.7.1.1 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 1398

#### 27.1.7.1.2 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.

#### **27.1.7.2 RetailerPaymentResult4**

*Definition:* Payment Data Results.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		1110
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1111
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1111
	RequestedTransaction <ReqdTxx>	[0..1]	±		1112
	TransactionResponse <TxRspn>	[0..1]			1116
	AuthorisationResult <AuthstnRslt>	[1..1]			1119
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1119
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1119
	Response <Rspn>	[1..1]	CodeSet		1120
	ResponseReason <RspnRsn>	[0..1]	Text		1120
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1120
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1120
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		1120
	TMSTrigger <TMSTrggr>	[0..1]			1121
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		1121
	TMSIdentification <TMSId>	[0..1]	Text		1121
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		1121
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1121
	Method <Mtd>	[1..1]	CodeSet		1122
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1123
	Result <Rslt>	[0..1]	CodeSet		1123
	AdditionalResult <AddtlRslt>	[0..1]	Text		1123
	AllowedProductCode <AllwdPdctCd>	[0..*]			1124
	ProductCode <PdctCd>	[1..1]	Text		1124
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1124
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			1124
	ProductCode <PdctCd>	[1..1]	Text		1124
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1124
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			1124
	ProductCode <PdctCd>	[1..1]	Text		1125
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1125



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountLimit <AmtLmt>	[0..1]	Amount		1125
	QuantityLimit <QtyLmt>	[0..1]	Quantity		1125
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1125
	Balance <Bal>	[0..1]	±		1127
	ProtectedBalance <PrtctdBal>	[0..1]	±		1127
	Action <Actn>	[0..*]			1128
	ActionType <ActnTp>	[1..1]	CodeSet		1128
	MessageToPresent <MsgToPres>	[0..1]	±		1129
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			1129
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1130
	TargetCurrency <TrgtCcy>	[1..1]			1131
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1131
	NumericCode <NmrcCd>	[1..1]	Text		1131
	Decimal <Dcml>	[1..1]	Quantity		1131
	Name <Nm>	[0..1]	Text		1131
	ResultingAmount <RsltAmt>	[1..1]	Amount		1132
	ExchangeRate <XchgRate>	[1..1]	Rate		1132
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1132
	QuotationDate <QtnDt>	[0..1]	DateTime		1132
	ValidUntil <VldUntil>	[0..1]	DateTime		1132
	SourceCurrency <SrcCcy>	[1..1]			1132
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1132
	NumericCode <NmrcCd>	[0..1]	Text		1133
	Decimal <Dcml>	[0..1]	Quantity		1133
	Name <Nm>	[0..1]	Text		1133
	OriginalAmount <OrgnlAmt>	[1..1]			1133
	ActualAmount <ActlAmt>	[0..1]	Amount		1133
	MinimumAmount <MinAmt>	[0..1]	Amount		1133
	MaximumAmount <MaxAmt>	[0..1]	Amount		1134
	CommissionDetails <ComssnDtls>	[0..*]			1134
	Amount <Amt>	[1..1]	Amount		1134

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalInformation <AddtlInf>	[0..1]	Text		1134
	MarkUpDetails <MrkUpDtls>	[0..*]			1134
	Rate <Rate>	[1..1]	Rate		1134
	AdditionalInformation <AddtlInf>	[0..1]	Text		1135
	DeclarationDetails <DclrtnDtls>	[0..*]	±		1135
	CustomerOrder <CstmrOrd>	[0..*]	±		1135
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			1136
	ImageFormat <ImgFrmt>	[1..1]	Text		1136
	ImageData <ImgData>	[0..1]	Binary		1136
	ImageReference <ImgRef>	[0..1]	Text		1137
	AdditionalInformation <AddtlInf>	[0..1]	Text		1137
	ProtectedCapturedSignature <PrctcdCaptrdSgntr>	[0..1]	±		1137
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		1137
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	1137
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		1137

### 27.1.7.2.1 TransactionType <TxTp>

*Presence:* [1..1]

*Definition:* Type of payment transaction.

*Datatype:* "CardPaymentServiceType12Code" on page 1357

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.

CodeName	Name	Definition
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

#### 27.1.7.2.2 AdditionalService <AddtlSvc>

*Presence:* [0..\*]

*Definition:* Service provided by the card payment transaction, in addition to the main service.

*Datatype:* "CardPaymentServiceType9Code" on page 1359

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.
RECP	RecurringPayment	Recurring payment.
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

#### 27.1.7.2.3 ServiceAttribute <SvcAttr>

*Presence:* [0..1]

*Definition:* Additional attribute of the service type.

*Datatype:* "CardPaymentServiceType14Code" on page 1358

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

#### 27.1.7.2.4 RequestedTransaction <ReqdTxx>

*Presence:* [0..1]

*Definition:* Data associated with the Transaction.

**RequestedTransaction <ReqdTxx>** contains the following elements (see "CardPaymentTransaction120" on page 1049 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		1053
	TransactionType <TxTp>	[1..1]	CodeSet		1054
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		1054
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		1055
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		1055
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		1056
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1056
	TransactionIdentification <TxId>	[1..1]	±		1056
	OriginalTransaction <OrgnlTx>	[0..1]			1056
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		1058
	TransactionIdentification <TxId>	[1..1]	±		1058
	POIdentification <POId>	[1..1]	±		1058
	CurrencyConversion <CcyConvs>	[0..1]			1058
	Result <Rslt>	[1..1]	CodeSet		1060
	ResultReason <RsltRsn>	[0..1]	Text		1060
	ConversionDetails <ConvsDtls>	[0..*]			1060
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1061
	TargetCurrency <TrgtCcy>	[1..1]			1062
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1062
	NumericCode <NmrcCd>	[1..1]	Text		1062
	Decimal <Dcml>	[1..1]	Quantity		1062
	Name <Nm>	[0..1]	Text		1062
	ResultingAmount <RsltAmt>	[1..1]	Amount		1062
	ExchangeRate <XchgRate>	[1..1]	Rate		1063
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1063
	QuotationDate <QtnDt>	[0..1]	DateTime		1063
	ValidUntil <VldUntil>	[0..1]	DateTime		1063
	SourceCurrency <SrcCcy>	[1..1]			1063
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1063
	NumericCode <NmrcCd>	[0..1]	Text		1064

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		1064
	Name <Nm>	[0..1]	Text		1064
	OriginalAmount <OrgnlAmt>	[1..1]			1064
	ActualAmount <ActlAmt>	[0..1]	Amount		1064
	MinimumAmount <MinAmt>	[0..1]	Amount		1064
	MaximumAmount <MaxAmt>	[0..1]	Amount		1065
	CommissionDetails <ComssnDtls>	[0..*]			1065
	Amount <Amt>	[1..1]	Amount		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	MarkUpDetails <MrkUpDtls>	[0..*]			1065
	Rate <Rate>	[1..1]	Rate		1065
	AdditionalInformation <AddtlInf>	[0..1]	Text		1065
	DeclarationDetails <DclrtnDtls>	[0..*]	±		1066
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1066
	IssuerReferenceData <IssrRefData>	[0..1]	Text		1066
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		1066
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		1067
	TransactionDetails <TxDtls>	[1..1]			1067
	Currency <Ccy>	[0..1]	CodeSet	C1	1069
	TotalAmount <TtlAmt>	[1..1]	Amount		1070
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		1070
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1070
	DetailedAmount <DtldAmt>	[0..1]	±		1070
	RequestedAmount <ReqdAmt>	[0..1]	Amount		1071
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		1071
	InvoiceAmount <InvcAmt>	[0..1]	Amount		1071
	ValidityDate <VldtyDt>	[0..1]	Date		1071
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		1071
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		1072
	AccountType <AcctTp>	[0..1]	CodeSet		1072
	CurrencyConversionResult <CcyConvRslt>	[0..1]			1073

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		1075
	Conversion <Convs>	[0..1]			1075
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		1076
	TargetCurrency <TrgtCcy>	[1..1]			1077
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1077
	NumericCode <NmrcCd>	[1..1]	Text		1077
	Decimal <Dcml>	[1..1]	Quantity		1077
	Name <Nm>	[0..1]	Text		1077
	ResultingAmount <RsltAmt>	[1..1]	Amount		1077
	ExchangeRate <XchgRate>	[1..1]	Rate		1078
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1078
	QuotationDate <QtnDt>	[0..1]	DateTime		1078
	ValidUntil <VldUntil>	[0..1]	DateTime		1078
	SourceCurrency <SrcCcy>	[1..1]			1078
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1078
	NumericCode <NmrcCd>	[0..1]	Text		1079
	Decimal <Dcml>	[0..1]	Quantity		1079
	Name <Nm>	[0..1]	Text		1079
	OriginalAmount <OrgnlAmt>	[1..1]			1079
	ActualAmount <ActlAmt>	[0..1]	Amount		1079
	MinimumAmount <MinAmt>	[0..1]	Amount		1079
	MaximumAmount <MaxAmt>	[0..1]	Amount		1080
	CommissionDetails <ComssnDtls>	[0..*]			1080
	Amount <Amt>	[1..1]	Amount		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	MarkUpDetails <MrkUpDtls>	[0..*]			1080
	Rate <Rate>	[1..1]	Rate		1080
	AdditionalInformation <AddtlInf>	[0..1]	Text		1080
	DeclarationDetails <Dclrtndtls>	[0..*]	±		1081
	Instalment <Instlmt>	[0..*]	±		1081
	AggregationTransaction <AggtnTx>	[0..1]	±		1082

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		1083
	SaleItem <SaleItm>	[0..*]	±		1083
	DeliveryLocation <DlvryLctn>	[0..1]	Text		1084
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		1084
	AdditionalInformation <AddtlInf>	[0..*]			1084
	Identification <Id>	[1..1]	Text		1085
	Value <Val>	[0..1]	Binary		1085
	ProtectedValue <PrtctdVal>	[0..1]	±		1085
	Type <Tp>	[0..1]	Text		1085
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1085
	AuthorisationResult <AuthstnRslt>	[0..1]			1086
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1086
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1086
	Response <Rspn>	[1..1]	CodeSet		1087
	ResponseReason <RspnRsn>	[0..1]	Text		1087
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1087
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1087
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		1087
	CustomerOrder <CstmrOrd>	[0..1]	±		1087
	CustomerToken <CstmrTkn>	[0..1]	±		1088
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1089
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		1089
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		1089
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		1089
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		1089
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		1089
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		1089

#### 27.1.7.2.5 TransactionResponse <TxRspn>

*Presence:* [0..1]

*Definition:* Result of the transaction processing.



**TransactionResponse <TxRspn>** contains the following **CardPaymentTransaction114** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationResult <AuthstnRslt>	[1..1]			1119
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1119
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1119
	Response <Rspn>	[1..1]	CodeSet		1120
	ResponseReason <RspnRsn>	[0..1]	Text		1120
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1120
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1120
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		1120
	TMSTrigger <TMSTrggr>	[0..1]			1121
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		1121
	TMSIdentification <TMSId>	[0..1]	Text		1121
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		1121
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1121
	Method <Mtd>	[1..1]	CodeSet		1122
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1123
	Result <Rslt>	[0..1]	CodeSet		1123
	AdditionalResult <AddtlRslt>	[0..1]	Text		1123
	AllowedProductCode <AllwdPdctCd>	[0..*]			1124
	ProductCode <PdctCd>	[1..1]	Text		1124
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1124
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			1124
	ProductCode <PdctCd>	[1..1]	Text		1124
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1124
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			1124
	ProductCode <PdctCd>	[1..1]	Text		1125
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1125
	AmountLimit <AmtLmt>	[0..1]	Amount		1125
	QuantityLimit <QtyLmt>	[0..1]	Quantity		1125
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1125
	Balance <Bal>	[0..1]	±		1127
	ProtectedBalance <PrctcdBal>	[0..1]	±		1127

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Action <Actn>	[0..*]			1128
	ActionType <ActnTp>	[1..1]	CodeSet		1128
	MessageToPresent <MsgToPres>	[0..1]	±		1129
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			1129
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		1130
	TargetCurrency <TrgtCcy>	[1..1]			1131
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1131
	NumericCode <NmrcCd>	[1..1]	Text		1131
	Decimal <Dcml>	[1..1]	Quantity		1131
	Name <Nm>	[0..1]	Text		1131
	ResultingAmount <RsltgAmt>	[1..1]	Amount		1132
	ExchangeRate <XchgRate>	[1..1]	Rate		1132
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1132
	QuotationDate <QtnDt>	[0..1]	DateTime		1132
	ValidUntil <VldUntil>	[0..1]	DateTime		1132
	SourceCurrency <SrcCcy>	[1..1]			1132
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1132
	NumericCode <NmrcCd>	[0..1]	Text		1133
	Decimal <Dcml>	[0..1]	Quantity		1133
	Name <Nm>	[0..1]	Text		1133
	OriginalAmount <OrgnlAmt>	[1..1]			1133
	ActualAmount <ActlAmt>	[0..1]	Amount		1133
	MinimumAmount <MinAmt>	[0..1]	Amount		1133
	MaximumAmount <MaxAmt>	[0..1]	Amount		1134
	CommissionDetails <ComssnDtls>	[0..*]			1134
	Amount <Amt>	[1..1]	Amount		1134
	AdditionalInformation <AddtlInf>	[0..1]	Text		1134
	MarkUpDetails <MrkUpDtls>	[0..*]			1134
	Rate <Rate>	[1..1]	Rate		1134
	AdditionalInformation <AddtlInf>	[0..1]	Text		1135
	DeclarationDetails <DclrtnDtls>	[0..*]	±		1135

**27.1.7.2.5.1 AuthorisationResult <AuthstnRslt>***Presence:* [1..1]*Definition:* Outcome of the authorisation, and actions to perform.**AuthorisationResult <AuthstnRslt>** contains the following **AuthorisationResult17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		1119
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			1119
	Response <Rspn>	[1..1]	CodeSet		1120
	ResponseReason <RspnRsn>	[0..1]	Text		1120
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1120
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1120
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		1120
	TMSTrigger <TMSTrggr>	[0..1]			1121
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		1121
	TMSIdentification <TMSId>	[0..1]	Text		1121
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		1121

**27.1.7.2.5.1.1 AuthorisationEntity <AuthstnNtty>***Presence:* [0..1]*Definition:* Type of party that has delivered or declined the card payment authorisation (the party is not identified).**AuthorisationEntity <AuthstnNtty>** contains the following elements (see "[GenericIdentification90](#)" on page 1102 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1102
	Type <Tp>	[1..1]	CodeSet		1102
	Issuer <Issr>	[0..1]	CodeSet		1103
	Country <Ctry>	[0..1]	Text		1103
	ShortName <ShrtNm>	[0..1]	Text		1103

**27.1.7.2.5.1.2 ResponseToAuthorisation <RspnToAuthstn>***Presence:* [1..1]*Definition:* Response to an authorisation request.

**ResponseToAuthorisation <RspnToAuthstn>** contains the following **ResponseType10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1120
	ResponseReason <RspnRsn>	[0..1]	Text		1120
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1120

#### 27.1.7.2.5.1.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the transaction.

*Datatype:* "Response9Code" on page 1383

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

#### 27.1.7.2.5.1.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detailed result of the transaction.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.2.5.1.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information on the response for further examination.

*Datatype:* "Max140Text" on page 1397

#### 27.1.7.2.5.1.3 AuthorisationCode <AuthstnCd>

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1401

#### 27.1.7.2.5.1.4 CompletionRequired <CmpltnReqrd>

*Presence:* [0..1]

*Definition:* Indicates whether the acquirer requires a further exchange completion after the completion of the transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.7.2.5.1.5 TMSTrigger <TMSTrgr>

*Presence:* [0..1]

*Definition:* Instructs the point of interaction (POI) how to contact the host to initiate the maintenance of the terminal.

**TMSTrigger <TMSTrgr>** contains the following **TMSTrigger1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		1121
	TMSIdentification <TMSId>	[0..1]	Text		1121
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		1121

#### 27.1.7.2.5.1.5.1 TMSContactLevel <TMSCtctLvl>

*Presence:* [1..1]

*Definition:* Level of urgency in contacting the maintenance.

*Datatype:* "TMSContactLevel1Code" on page 1387

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

#### 27.1.7.2.5.1.5.2 TMSIdentification <TMSId>

*Presence:* [0..1]

*Definition:* Identification of the host to contact for the maintenance.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.2.5.1.5.3 TMSContactDateTime <TMSCtctDtTm>

*Presence:* [0..1]

*Definition:* Date and time for calling the maintenance.

*Datatype:* "ISODateTime" on page 1392

#### 27.1.7.2.5.2 TransactionVerificationResult <TxVrfctnRsIt>

*Presence:* [0..\*]

*Definition:* Result of the verifications performed by the issuer to deliver or decline the authorisation.

**TransactionVerificationResult <TxVrfctnRsIt>** contains the following **TransactionVerificationResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		1122
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1123
	Result <RsIt>	[0..1]	CodeSet		1123
	AdditionalResult <AddtlRsIt>	[0..1]	Text		1123

#### 27.1.7.2.5.2.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod6Code" on page 1350

CodeName	Name	Definition
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
PPSG	PaperSignature	Handwritten paper signature.
PSWD	Password	Authentication by a password.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
ADDB	BillingAddressVerification	Cardholder billing address verification.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
MANU	ManualVerification	Manual verification, for example passport or drivers license.

CodeName	Name	Definition
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

#### 27.1.7.2.5.2.2 VerificationEntity <VrfctnNtty>

*Presence:* [0..1]

*Definition:* Entity or device that has performed the verification.

*Datatype:* "AuthenticationEntity2Code" on page 1350

CodeName	Name	Definition
ICCD	ICC	Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification.
AGNT	AuthorisedAgent	Authorisation agent of the issuer.
MERC	Merchant	Merchant (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

#### 27.1.7.2.5.2.3 Result <Rslt>

*Presence:* [0..1]

*Definition:* Result of the verification.

*Datatype:* "Verification1Code" on page 1391

CodeName	Name	Definition
FAIL	Failed	Verification failed.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

#### 27.1.7.2.5.2.4 AdditionalResult <AddtlRslt>

*Presence:* [0..1]

*Definition:* Additional result of the verification.

*Datatype:* "Max500Text" on page 1400

**27.1.7.2.5.3 AllowedProductCode <AllwdPdctCd>***Presence:* [0..\*]*Definition:* Product code which are allowed by the payment card.**AllowedProductCode <AllwdPdctCd>** contains the following **Product4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[1..1]	Text		1124
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1124

**27.1.7.2.5.3.1 ProductCode <PdctCd>***Presence:* [1..1]*Definition:* Product code.*Datatype:* "Max70Text" on page 1400**27.1.7.2.5.3.2 AdditionalProductCode <AddtlPdctCd>***Presence:* [0..1]*Definition:* Additional product code related to the product.*Datatype:* "Max70Text" on page 1400**27.1.7.2.5.4 NotAllowedProductCode <NotAllwdPdctCd>***Presence:* [0..\*]*Definition:* Product code not allowed by the payment card.**NotAllowedProductCode <NotAllwdPdctCd>** contains the following **Product4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[1..1]	Text		1124
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1124

**27.1.7.2.5.4.1 ProductCode <PdctCd>***Presence:* [1..1]*Definition:* Product code.*Datatype:* "Max70Text" on page 1400**27.1.7.2.5.4.2 AdditionalProductCode <AddtlPdctCd>***Presence:* [0..1]*Definition:* Additional product code related to the product.*Datatype:* "Max70Text" on page 1400**27.1.7.2.5.5 AdditionalAvailableProduct <AddtlAvlblPdct>***Presence:* [0..\*]*Definition:* Products that may be added to the purchase after the authorisation.



**AdditionalAvailableProduct <AddtlAvlblPdct>** contains the following **Product5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[1..1]	Text		1125
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1125
	AmountLimit <AmtLmt>	[0..1]	Amount		1125
	QuantityLimit <QtyLmt>	[0..1]	Quantity		1125
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1125

#### 27.1.7.2.5.5.1 ProductCode <PdctCd>

*Presence:* [1..1]

*Definition:* Product code of the item.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.2.5.5.2 AdditionalProductCode <AddtlPdctCd>

*Presence:* [0..1]

*Definition:* Additional product code related to the product.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.2.5.5.3 AmountLimit <AmtLmt>

*Presence:* [0..1]

*Definition:* Amount limit for the product.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.2.5.5.4 QuantityLimit <QtyLmt>

*Presence:* [0..1]

*Definition:* Quantity limit for the product.

*Datatype:* "DecimalNumber" on page 1394

#### 27.1.7.2.5.5.5 UnitOfMeasure <UnitOfMeasr>

*Presence:* [0..1]

*Definition:* Unit of measure of the item purchased.

*Datatype:* "UnitOfMeasure6Code" on page 1389

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.

CodeName	Name	Definition
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
INCH	Inch	Measure of length equal to 2.54 cm.
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.

CodeName	Name	Definition
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.
KWHO	KilowattHours	Unit of measure that is equal to the power consumption of one kilowatt during one hour.
DGEU	DieselGallonEquivalent	Amount of fuel alternative equal to one gallon of diesel.
GGEU	GasolineGallonEquivalent	Amount of fuel alternative equal to one gallon of gasoline.

#### 27.1.7.2.5.6 Balance <Bal>

*Presence:* [0..1]

*Definition:* Balance and currency code of the account, related to the payment.

**Balance <Bal>** contains the following elements (see "[AmountAndDirection93](#)" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[1..1]	CodeSet	C1	857
	Sign <Sgn>	[0..1]	Indicator		858

#### 27.1.7.2.5.7 ProtectedBalance <PrctcdBal>

*Presence:* [0..1]

*Definition:* Encrypted balance of the account.

**ProtectedBalance <PrctcdBal>** contains the following elements (see "[ContentInformationType32](#)" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

**27.1.7.2.5.8 Action <Actn>***Presence:* [0..\*]*Definition:* Set of actions to be performed by the POI (Point Of Interaction) system.**Action <Actn>** contains the following **Action12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		1128
	MessageToPresent <MsgToPres>	[0..1]	±		1129

**27.1.7.2.5.8.1 ActionType <ActnTp>***Presence:* [1..1]*Definition:* Type of action to be performed by the POI (Point Of Interaction) system.*Datatype:* "ActionType12Code" on page 1340

CodeName	Name	Definition
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
NOVR	ForbidOverride	Payment application cannot propose to the merchant an override of the payment transaction.
RQID	IdentificationRequired	Additional identification required (passport, ID card, etc.).
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
PRNT	PrintMessage	Print a message.
RFRL	Referral	Referral has to be performed.
RQDT	RequestData	Request additional data through a displayed text and request confirmation by an attendant.
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FLFW	FallForward	Fall-forward from contactless to chip card transaction required.
PINQ	PINRequest	Request Cardholder Authentication through PIN insertion.
CDCV	ConsumerDeviceCardholderVerificationMethod	Request Cardholder Authentication according to the ConsumerDeviceCardholderVerification Method.
CHDA	CardholderAuthentication	Additional authentication of cardholder required.

CodeName	Name	Definition
STAR	StopAllRecurring	Recurring transactions is no more allowed for this card and for all merchants.
STOR	StopOneRecurring	Cardholder has revoked this recurring transaction for this merchant.

#### 27.1.7.2.5.8.2 MessageToPresent <MsgToPres>

*Presence:* [0..1]

*Definition:* Message to be displayed to the cardholder or the cashier.

**MessageToPresent <MsgToPres>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrCdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrCdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 27.1.7.2.5.9 CurrencyConversionEligibility <CcyConvseElgblty>

*Presence:* [0..1]

*Definition:* Conversion between the currency of a card acceptor and the currency of a card issuer, provided by a dedicated service provider. The currency conversion has to be proposed to the cardholder.

**CurrencyConversionEligibility <CcyConvslElgblty>** contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		1130
	TargetCurrency <TrgtCcy>	[1..1]			1131
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1131
	NumericCode <NmrcCd>	[1..1]	Text		1131
	Decimal <Dcml>	[1..1]	Quantity		1131
	Name <Nm>	[0..1]	Text		1131
	ResultingAmount <RsltgAmt>	[1..1]	Amount		1132
	ExchangeRate <XchgRate>	[1..1]	Rate		1132
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		1132
	QuotationDate <QtnDt>	[0..1]	DateTime		1132
	ValidUntil <VldUntil>	[0..1]	DateTime		1132
	SourceCurrency <SrcCcy>	[1..1]			1132
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1132
	NumericCode <NmrcCd>	[0..1]	Text		1133
	Decimal <Dcml>	[0..1]	Quantity		1133
	Name <Nm>	[0..1]	Text		1133
	OriginalAmount <OrgnlAmt>	[1..1]			1133
	ActualAmount <ActlAmt>	[0..1]	Amount		1133
	MinimumAmount <MinAmt>	[0..1]	Amount		1133
	MaximumAmount <MaxAmt>	[0..1]	Amount		1134
	CommissionDetails <ComssnDtls>	[0..*]			1134
	Amount <Amt>	[1..1]	Amount		1134
	AdditionalInformation <AddtlInf>	[0..1]	Text		1134
	MarkUpDetails <MrkUpDtls>	[0..*]			1134
	Rate <Rate>	[1..1]	Rate		1134
	AdditionalInformation <AddtlInf>	[0..1]	Text		1135
	DeclarationDetails <Dclrtndtls>	[0..*]	±		1135

#### 27.1.7.2.5.9.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation for the service provider.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.2.5.9.2 TargetCurrency <TrgtCcy>

*Presence:* [1..1]

*Definition:* Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).

**TargetCurrency <TrgtCcy>** contains the following **CurrencyDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	1131
	NumericCode <NmrcCd>	[1..1]	Text		1131
	Decimal <Dcml>	[1..1]	Quantity		1131
	Name <Nm>	[0..1]	Text		1131

##### 27.1.7.2.5.9.2.1 AlphaCode <AlphaCd>

*Presence:* [1..1]

*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

##### 27.1.7.2.5.9.2.2 NumericCode <NmrcCd>

*Presence:* [1..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

##### 27.1.7.2.5.9.2.3 Decimal <Dcml>

*Presence:* [1..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

##### 27.1.7.2.5.9.2.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

**27.1.7.2.5.9.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.7.2.5.9.4 ExchangeRate <XchgRate>***Presence:* [1..1]*Definition:* Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.*Datatype:* "PercentageRate" on page 1395**27.1.7.2.5.9.5 InvertedExchangeRate <NvrtdXchgRate>***Presence:* [0..1]*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.*Datatype:* "PercentageRate" on page 1395**27.1.7.2.5.9.6 QuotationDate <QtnDt>***Presence:* [0..1]*Definition:* Date and time at which the exchange rate has been quoted.*Datatype:* "ISODateTime" on page 1392**27.1.7.2.5.9.7 ValidUntil <VldUntil>***Presence:* [0..1]*Definition:* Validity limit of the exchange rate.*Datatype:* "ISODateTime" on page 1392**27.1.7.2.5.9.8 SourceCurrency <SrcCcy>***Presence:* [1..1]*Definition:* Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).**SourceCurrency <SrcCcy>** contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	1132
	NumericCode <NmrcCd>	[0..1]	Text		1133
	Decimal <Dcml>	[0..1]	Quantity		1133
	Name <Nm>	[0..1]	Text		1133

**27.1.7.2.5.9.8.1 AlphaCode <AlphaCd>***Presence:* [0..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).



*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

#### **Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### **27.1.7.2.5.9.8.2 NumericCode <NmrcCd>**

*Presence:* [0..1]

*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).

*Datatype:* "Exact3NumericText" on page 1396

#### **27.1.7.2.5.9.8.3 Decimal <Dcml>**

*Presence:* [0..1]

*Definition:* Maximal number of digits after the decimal separator for the currency.

*Datatype:* "Number" on page 1395

#### **27.1.7.2.5.9.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.2.5.9.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

**OriginalAmount <OrgnlAmt>** contains the following **OriginalAmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		1133
	MinimumAmount <MinAmt>	[0..1]	Amount		1133
	MaximumAmount <MaxAmt>	[0..1]	Amount		1134

#### **27.1.7.2.5.9.9.1 ActualAmount <ActlAmt>**

*Presence:* [0..1]

*Definition:* Actual amount to be converted.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **27.1.7.2.5.9.9.2 MinimumAmount <MinAmt>**

*Presence:* [0..1]

*Definition:* Minimum amount for conversion (in case of range of amounts).

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

#### 27.1.7.2.5.9.3 MaximumAmount <MaxAmt>

*Presence:* [0..1]

*Definition:* Maximum amount for conversion (in case of range of amounts).

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

#### 27.1.7.2.5.9.10 CommissionDetails <ComssnDtls>

*Presence:* [0..\*]

*Definition:* Commission or additional charges made as part of a currency conversion.

**CommissionDetails <ComssnDtls>** contains the following **Commission19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1134
	AdditionalInformation <AddtlInf>	[0..1]	Text		1134

##### 27.1.7.2.5.9.10.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Commission expressed as an amount of money.

*Datatype:* ["ImpliedCurrencyAndAmount" on page 1337](#)

##### 27.1.7.2.5.9.10.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information about the type of commission.

*Datatype:* ["Max350Text" on page 1398](#)

##### 27.1.7.2.5.9.11 MarkupDetails <MrkUpDtls>

*Presence:* [0..\*]

*Definition:* Markup made as part of a currency conversion.

**MarkupDetails <MrkUpDtls>** contains the following **Commission18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		1134
	AdditionalInformation <AddtlInf>	[0..1]	Text		1135

##### 27.1.7.2.5.9.11.1 Rate <Rate>

*Presence:* [1..1]

*Definition:* Commission expressed as a percentage.

*Datatype:* ["PercentageRate" on page 1395](#)

**27.1.7.2.5.9.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.*Datatype:* "Max350Text" on page 1398**27.1.7.2.5.9.12 DeclarationDetails <Dclrtndtls>***Presence:* [0..\*]*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.**DeclarationDetails <Dclrtndtls>** contains the following elements (see "ActionMessage9" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

**27.1.7.2.6 CustomerOrder <CstmrOrdr>***Presence:* [0..\*]*Definition:* Customer order attached to a customer, recorded in the POI system.

**CustomerOrder <CstmrOrd>** contains the following elements (see "CustomerOrder1" on page 1246 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		1247
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		1247
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		1247
	StartDate <StartDt>	[1..1]	DateTime		1247
	EndDate <EndDt>	[0..1]	DateTime		1247
	Unit <Unit>	[0..1]	CodeSet		1248
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		1248
	CurrentAmount <CurAmt>	[0..1]	Amount		1248
	Currency <Ccy>	[0..1]	CodeSet	C1	1248
	AccessedBy <AccsdBy>	[0..1]	Text		1248
	AdditionalInformation <AddtlInf>	[0..1]	Text		1248

#### 27.1.7.2.7 ImageCapturedSignature <ImgCaptrdSgntr>

*Presence:* [0..1]

*Definition:* Numeric value of a handwritten signature.

**ImageCapturedSignature <ImgCaptrdSgntr>** contains the following **CapturedSignature1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ImageFormat <ImgFrmt>	[1..1]	Text		1136
	ImageData <ImgData>	[0..1]	Binary		1136
	ImageReference <ImgRef>	[0..1]	Text		1137
	AdditionalInformation <AddtlInf>	[0..1]	Text		1137

##### 27.1.7.2.7.1 ImageFormat <ImgFrmt>

*Presence:* [1..1]

*Definition:* Format of the image.

*Datatype:* "Max35Text" on page 1399

##### 27.1.7.2.7.2 ImageData <ImgData>

*Presence:* [0..1]

*Definition:* Data of the image.

*Datatype:* "Max2MBBinary" on page 1339

**27.1.7.2.7.3 ImageReference <ImgRef>***Presence:* [0..1]*Definition:* URL or name of the image.*Datatype:* "Max500Text" on page 1400**27.1.7.2.7.4 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information for the image.*Datatype:* "Max140Text" on page 1397**27.1.7.2.8 ProtectedCapturedSignature <PrctcdCaptrdSgntr>***Presence:* [0..1]*Definition:* Protected value of a handwritten signature.**ProtectedCapturedSignature <PrctcdCaptrdSgntr>** contains the following elements (see "ContentInformationType32" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

**27.1.7.2.9 MerchantOverrideFlag <MrchntOvrrdFlg>***Presence:* [0..1]*Definition:* Indicate that the Merchant forced the result of the payment to successful.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.7.2.10 CustomerLanguage <CstmrLang>***Presence:* [0..1]*Definition:* Language used to display messages to the customer.*Impacted by:* C6 "ValidationByTable"*Datatype:* "LanguageCode" on page 1369**Constraints**

- **ValidationByTable**  
Must be a valid terrestrial language.

**27.1.7.2.11 OnlineFlag <OnlnFlg>***Presence:* [0..1]*Definition:* Indicate that the payment transaction processing has required the approval of an acquirer.

**Datatype:** One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

### 27.1.7.3 RecurringTransaction4

**Definition:** Financial loan (instalment) or a recurring transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		1138
	PlanIdentification <PlanId>	[0..1]	Text		1139
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1139
	SequenceNumber <SeqNb>	[0..1]	Quantity		1139
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1139
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		1140
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1140
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1140
	TotalAmount <TtlAmt>	[0..1]	Amount	C6	1140
	FirstAmount <FrstAmt>	[0..1]	Amount		1140
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1140
	LastAmount <LastAmt>	[0..1]	Amount		1141
	Charges <Chrgs>	[0..1]	Amount		1141
	DetailedCharges <DtldChrgs>	[0..*]	±		1141
	InterestRate <IntrstRate>	[0..*]			1141
	Type <Tp>	[0..1]	CodeSet		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142
	GracePeriod <GracePrd>	[0..*]	±		1142

#### 27.1.7.3.1 InstalmentPlan <InstlmtPlan>

**Presence:** [0..\*]

**Definition:** Type of instalment plan.

**Datatype:** "InstalmentPlan1Code" on page 1367

CodeName	Name	Definition
EQPM	EqualPayment	The payment is split in several instalments of equal amounts.

CodeName	Name	Definition
NQPM	InequalPayment	The payment is split in several instalments of different amounts.
DFRI	DeferredInstalment	The first instalment is deferred.

#### 27.1.7.3.2 PlanIdentification <PlanId>

*Presence:* [0..1]

*Definition:* Identification of the instalment plan.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.3.3 PlanOwner <PlanOwnr>

*Presence:* [0..1]

*Definition:* Type of the Plan Owner.

*Datatype:* "PlanOwner1Code" on page 1378

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.

#### 27.1.7.3.4 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* Indicates the recurring/instalment occurrence of the transaction (1 = 1st instalment, 2 = 2nd instalment, etc.).

*Datatype:* "Number" on page 1395

#### 27.1.7.3.5 PeriodUnit <PrdUnit>

*Presence:* [0..1]

*Definition:* Period unit between consecutive payments (for example day, month, year).

*Datatype:* "Frequency3Code" on page 1365

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.
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.
WEEK	Weekly	Event takes place once a week.

CodeName	Name	Definition
DAIL	Daily	Event takes place every day.
TEND	TenDays	Event takes place every ten business days.

#### 27.1.7.3.6 InstalmentPeriod <InstlmtPrd>

*Presence:* [0..1]

*Definition:* Number of period units between consecutive payments.

*Datatype:* "Number" on page 1395

#### 27.1.7.3.7 TotalNumberOfPayments <TtlNbOfPmts>

*Presence:* [0..1]

*Definition:* Total number of instalment payments.

*Datatype:* "Number" on page 1395

#### 27.1.7.3.8 FirstPaymentDate <FrstPmtDt>

*Presence:* [0..1]

*Definition:* Date of the first payment.

*Datatype:* "ISODate" on page 1392

#### 27.1.7.3.9 TotalAmount <TtlAmt>

*Presence:* [0..1]

*Definition:* Cumulative amount of all the instalments.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1337

##### Constraints

- **ValidationByTable**

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

#### 27.1.7.3.10 FirstAmount <FrstAmt>

*Presence:* [0..1]

*Definition:* Amount of the first payment.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.3.11 SubsequentAmount <SbsqntAmt>

*Presence:* [0..1]

*Definition:* Amount of subsequent payments but the first one.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337



**27.1.7.3.12 LastAmount <LastAmt>***Presence:* [0..1]*Definition:* Amount of the last payment.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.7.3.13 Charges <Chrgs>***Presence:* [0..1]*Definition:* Charges related to the transaction.*Datatype:* "ImpliedCurrencyAndAmount" on page 1337**27.1.7.3.14 DetailedCharges <DtldChrgs>***Presence:* [0..\*]*Definition:* Contains the charge details of an instalment plan.**DetailedCharges <DtldChrgs>** contains the following elements (see "InstalmentAmountDetails1" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		858
	OtherType <OthrTp>	[0..1]	Text		858
	SubType <SubTp>	[0..1]	Text		859
	Amount <Amt>	[0..1]	±		859
	Percentage <Pctg>	[0..1]	Rate		859

**27.1.7.3.15 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		1141
	OtherType <OthrTp>	[0..1]	Text		1142
	Period <Prd>	[1..1]	CodeSet		1142
	Rate <Rate>	[1..1]	Rate		1142

**27.1.7.3.15.1 Type <Tp>***Presence:* [0..1]*Definition:* Interest rate applicable to the instalment.*Datatype:* "InterestRate1Code" on page 1367

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

#### 27.1.7.3.15.2 OtherType <OthrTp>

*Presence:* [0..1]

*Definition:* Other type of interest applied to the instalment, when Type is OtherNational or OtherPrivate.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.3.15.3 Period <Prd>

*Presence:* [1..1]

*Definition:* Contains instalment period

*Datatype:* "InstalmentPeriod1Code" on page 1367

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

#### 27.1.7.3.15.4 Rate <Rate>

*Presence:* [1..1]

*Definition:* Rate expressed as a decimal, example, 0.7 is 7/10 and 70%.

*Datatype:* "BaseOneRate" on page 1395

#### 27.1.7.3.16 GracePeriod <GracePrd>

*Presence:* [0..\*]

*Definition:* Contains grace period details.

**GracePeriod <GracePrd>** contains the following elements (see "GracePeriod1" on page 863 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		864
	UnitType <UnitTp>	[1..1]	CodeSet		864
	OtherUnitType <OthrUnitTp>	[0..1]	Text		864

#### 27.1.7.4 PaymentReceipt4

*Definition:* Customer or Merchant receipts generated by the POI system.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		1143
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		1143
	RequiredSignatureFlag <ReqrdsGntrFlg>	[0..1]	Indicator		1143
	OutputContent <OutptCntt>	[1..1]	±		1144

#### 27.1.7.4.1 DocumentQualifier <DocQlfr>

*Presence:* [1..1]

*Definition:* Qualification of the document to print to the Cashier or the Customer.

*Datatype:* "DocumentType7Code" on page 1363

CodeName	Name	Definition
JNRL	Journal	When the POI or the Sale System wants to store a message on the journal printer or electronic journal of the Sale Terminal (it is sometimes a Sale Logging/Journal Printer).
CRCP	CustomerReceipt	When the Sale System requires the POI system to print the Customer receipt.
HRCP	CashierReceipt	When the Sale system print the Cashier copy of the Payment receipt.
SRCP	SaleReceipt	When the Sale System requires the POI system to print the Sale receipt.
RPIN	RelatedPaymentInstruction	Document is a linked payment instruction to which the current payment instruction is related, for example, in a cover scenario.
VCHR	Voucher	Document is an electronic payment document.

#### 27.1.7.4.2 IntegratedPrintFlag <IntgrtdPrtFlg>

*Presence:* [0..1]

*Definition:* Flag is the print is integrated to other prints.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.7.4.3 RequiredSignatureFlag <ReqrdsGntrFlg>

*Presence:* [0..1]

*Definition:* Flag to indicate that the cardholder payment receipt requires a signature by the customer.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.7.4.4 OutputContent <OutptCntt>

*Presence:* [1..1]

*Definition:* Document to print.

**OutputContent <OutptCntt>** contains the following elements (see "[ActionMessage9](#)" on page 1222 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstrn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

#### 27.1.7.5 LoyaltyAccount3

*Definition:* Loyalty Account description.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		1145
	EntryMode <NtryMd>	[0..1]	CodeSet		1145
	IdentificationType <IdTp>	[0..1]	CodeSet		1146
	Brand <Brnd>	[0..1]	Text		1146
	Provider <Prvdr>	[0..1]	Text		1146
	OwnerName <OwnrNm>	[0..1]	Text		1146
	Unit <Unit>	[0..1]	CodeSet		1146
	Currency <Ccy>	[0..1]	CodeSet	C1	1147
	Balance <Bal>	[0..1]	Amount		1147

#### 27.1.7.5.1 LoyaltyIdentification <Ltyld>

*Presence:* [1..1]

*Definition:* Identification of Loyalty Account.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.5.2 EntryMode <NtryMd>

*Presence:* [0..1]

*Definition:* Standard or last entry mode to access the Loyalty account or card.

*Datatype:* "CardDataReading8Code" on page 1355

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.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.

CodeName	Name	Definition
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

### 27.1.7.5.3 IdentificationType <IdTp>

*Presence:* [0..1]

*Definition:* Type of identification for this Loyalty Account.

*Datatype:* "CardIdentificationType1Code" on page 1357

CodeName	Name	Definition
ACCT	AccountNumber	Account identification.
BARC	BarCode	Bar-code with a specific form of identification.
ISO2	ISOTrack2	ISO Track 2 including identification.
PHON	PhoneNumber	A phone number identifies the account on which the phone card is assigned.
CPAN	PrimaryAccountNumber	Standard card identification (card number).
PRIV	PrivativeNumbering	An identification set by a privative application.
UUID	UniversalUniqueIdentification	A Universal Unique Identification code is set for identification.

### 27.1.7.5.4 Brand <Brnd>

*Presence:* [0..1]

*Definition:* Brand to which belong the account.

*Datatype:* "Max35Text" on page 1399

### 27.1.7.5.5 Provider <Prvdr>

*Presence:* [0..1]

*Definition:* Provider of the Loyalty Account.

*Datatype:* "Max35Text" on page 1399

### 27.1.7.5.6 OwnerName <OwnrNm>

*Presence:* [0..1]

*Definition:* Owner name of an account.

*Datatype:* "Max45Text" on page 1399

### 27.1.7.5.7 Unit <Unit>

*Presence:* [0..1]

*Definition:* Unit of a Loyalty Account (Point or Currency).

*Datatype:* "AmountUnit1Code" on page 1349

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

#### 27.1.7.5.8 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency of a Loyalty Account if any.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 27.1.7.5.9 Balance <Bal>

*Presence:* [0..1]

*Definition:* Balance of a Loyalty Account.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.6 CardPaymentEnvironment78

*Definition:* Environment of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1153
	Merchant <Mrchnt>	[0..1]			1153
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155
	POI <POI>	[0..1]			1155
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <GrpId>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158
	Card <Card>	[0..1]			1160
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163
	ServiceOption <SvcOptn>	[0..1]	Text		1164



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164
	Check <Chck>	[0..1]			1164
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166
	StoredValueAccount <StordValAcct>	[0..*]			1166
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170
	LoyaltyAccount <LltyAcct>	[0..*]	±		1170
	CustomerDevice <CstmrDvc>	[0..1]	±		1170
	Wallet <Wlt>	[0..1]	±		1170
	PaymentToken <PmtTkn>	[0..1]	±		1171
	MerchantToken <MrchntTkn>	[0..1]	±		1171
	Cardholder <Crhldr>	[0..1]			1172
	Identification <Id>	[0..1]			1176
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BllgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		1186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrdhldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		1199
	SaleEnvironment <SaleEnvr>	[0..1]			1200

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		1202

#### 27.1.7.6.1 Acquirer <Acqrr>

*Presence:* [0..1]

*Definition:* Acquirer involved in the card payment.

**Acquirer <Acqrr>** contains the following elements (see "[Acquirer10](#)" on page 854 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		854
	ParametersVersion <ParamsVrsn>	[0..1]	Text		854

#### 27.1.7.6.2 Merchant <Mrchnt>

*Presence:* [0..1]

*Definition:* Merchant performing the card payment transaction.

*Usage:* In some cases, merchant and acceptor may be regarded as the same entity.

**Merchant <Mrchnt>** contains the following **Organisation41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		1153
	CommonName <CmonNm>	[0..1]	Text		1154
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1154
	LocationAndContact <LctnAndCtct>	[0..1]	±		1154
	SchemeData <SchmeData>	[0..1]	Text		1155

##### 27.1.7.6.2.1 Identification <Id>

*Presence:* [0..1]

*Definition:* Identification of the merchant.

**Identification <Id>** contains the following elements (see "[GenericIdentification32](#)" on page 1105 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1105
	Type <Tp>	[0..1]	CodeSet		1105
	Issuer <Issr>	[0..1]	CodeSet		1105
	ShortName <ShrtNm>	[0..1]	Text		1106

#### 27.1.7.6.2.2 CommonName <CmonNm>

*Presence:* [0..1]

*Definition:* Name of the merchant as appearing on the receipt.

*Datatype:* "[Max70Text](#)" on page 1400

#### 27.1.7.6.2.3 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Location category of the place where the merchant actually performed the transaction.

*Datatype:* "[LocationCategory4Code](#)" on page 1369

CodeName	Name	Definition
ABRD	Aboard	Aboard is used when the sale is done in a vehicle (e.g a bus, train, ship, airplane, taxi, etc).
NMDC	Nomadic	Nomadic is used when the merchant is traveling to different locations (e.g fair or sport events, home delivery, food truck).
FIXD	PhysicalShop	Fixed location, for example in a shop.
VIRT	VirtualShop	Virtual Shop is used for any ecommerce solution.

#### 27.1.7.6.2.4 LocationAndContact <LctnAndCtct>

*Presence:* [0..1]

*Definition:* Location and contact information of the merchant performing the transaction.

**LocationAndContact <LctnAndCtct>** contains the following elements (see "[CommunicationAddress9](#)" on page 855 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PostalAddress <PstlAdr>	[0..1]	±		856
	Email <Email>	[0..1]	Text		856
	URLAddress <URLAdr>	[0..1]	Text		856
	Phone <Phne>	[0..1]	Text		857
	CustomerService <CstmrSvc>	[0..1]	Text		857
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		857

#### 27.1.7.6.2.5 SchemeData <SchmeData>

*Presence:* [0..1]

*Definition:* Additional merchant data required by a card scheme.

*Datatype:* "[Max140Text](#)" on page 1397

#### 27.1.7.6.3 POI <POI>

*Presence:* [0..1]

*Definition:* Point of interaction (POI) performing the transaction.

**POI <POI>** contains the following **PointOfInteraction12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	±		1155
	SystemName <SysNm>	[0..1]	Text		1156
	GroupIdentification <Grpld>	[0..1]	Text		1156
	Capabilities <Cpblties>	[0..1]	±		1156
	TimeZone <TmZone>	[0..1]	Text		1157
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1157
	Component <Cmpnt>	[0..*]	±		1158

#### 27.1.7.6.3.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the POI (Point Of Interaction) for the acquirer or its agent.

**Identification <Id>** contains the following elements (see "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1100

#### 27.1.7.6.3.2 SystemName <SysNm>

*Presence:* [0..1]

*Definition:* Common name assigned by the acquirer to the POI (Point Of Interaction) system.

*Datatype:* "[Max70Text](#)" on page 1400

#### 27.1.7.6.3.3 GroupIdentification <GrpId>

*Presence:* [0..1]

*Definition:* Identifier assigned by the merchant identifying a set of POI (Point Of Interaction) terminals performing some categories of transactions.

*Datatype:* "[Max35Text](#)" on page 1399

#### 27.1.7.6.3.4 Capabilities <Cpbilities>

*Presence:* [0..1]

*Definition:* Capabilities of the POI (Point Of Interaction) performing the transaction.



**Capabilities <Cpblties>** contains the following elements (see "PointOfInteractionCapabilities9" on page 1249 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		1249
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		1250
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1250
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1251
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		1251
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1251
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		1251
	MessageCapabilities <MsgCpblties>	[0..*]			1251
	Destination <Dstn>	[1..*]	CodeSet		1252
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1252
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1252
	LineWidth <LineWidth>	[0..1]	Quantity		1252
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	1253

#### 27.1.7.6.3.5 TimeZone <TmZone>

*Presence:* [0..1]

*Definition:* Time zone name as defined by IANA (Internet Assigned Numbers Authority) in the time zone data base. America/Chicago or Europe/Paris are examples of time zone names.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.6.3.6 TerminalIntegration <TermnlIntgtn>

*Presence:* [0..1]

*Definition:* Indicates the type of integration of the POI terminal in the sale environment.

*Datatype:* "LocationCategory3Code" on page 1369

CodeName	Name	Definition
INDR	Indoor	Indoor terminal.
IPMP	InsidePump	Terminal incorporated in the pump dispensing petrol.
MPOI	MultiplePOITerminal	Multiple terminals linked to a unique sale terminal.
MPMP	MultiplePump	Outdoor terminal serving several petrol pumps.
MSLE	MultipleSaleTerminal	Terminal serving multiple sale terminals.
SSLE	SingleSaleTerminal	Terminal linked to a unique sale terminal.

CodeName	Name	Definition
VNDG	VendingMachine	Terminal integrated in a vending machine.

**27.1.7.6.3.7 Component <Cmpnt>**

*Presence:* [0..\*]

*Definition:* Data related to a component of the POI (Point Of Interaction) performing the transaction.

**Component <Cmpnt>** contains the following elements (see "PointOfInteractionComponent12" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1229
	SubTypeInfo <SubTpInf>	[0..1]	Text		1230
	Identification <Id>	[1..1]			1231
	ItemNumber <ItmNb>	[0..1]	Text		1231
	ProviderIdentification <PrvdrId>	[0..1]	Text		1231
	Identification <Id>	[0..1]	Text		1231
	SerialNumber <SrlNb>	[0..1]	Text		1231
	Status <Sts>	[0..1]			1231
	VersionNumber <VrsnNb>	[0..1]	Text		1232
	Status <Sts>	[0..1]	CodeSet		1232
	ExpiryDate <XpryDt>	[0..1]	Date		1232
	StandardCompliance <StdCmplc>	[0..*]			1232
	Identification <Id>	[1..1]	Text		1232
	Version <Vrsn>	[1..1]	Text		1233
	Issuer <Issr>	[1..1]	Text		1233
	Characteristics <Chrtcs>	[0..1]			1233
	Memory <Mmry>	[0..*]			1234
	Identification <Id>	[1..1]	Text		1235
	TotalSize <TtlSz>	[1..1]	Quantity		1235
	FreeSize <FreeSz>	[1..1]	Quantity		1235
	Unit <Unit>	[1..1]	CodeSet		1235
	Communication <Com>	[0..*]			1235
	CommunicationType <ComTp>	[1..1]	CodeSet		1236
	RemoteParty <RmotPty>	[1..*]	CodeSet		1237
	Active <Actv>	[1..1]	Indicator		1237
	Parameters <Params>	[0..1]	±		1237
	PhysicalInterface <PhysIntrfc>	[0..1]			1238
	InterfaceName <IntrfcNm>	[1..1]	Text		1238
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		1238
	UserName <UsrNm>	[0..1]	Text		1239

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		1239
	SecurityProfile <SctyPrfl>	[0..1]	Text		1239
	AdditionalParameters <AddtlParams>	[0..1]	Binary		1239
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		1240
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		1240
	SecurityElement <SctyElmt>	[0..*]	±		1240
	Assessment <Assmnt>	[0..*]			1240
	Type <Tp>	[1..1]	CodeSet		1241
	Assigner <Assgnr>	[1..*]	Text		1241
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		1241
	ExpirationDate <XprtnDt>	[0..1]	DateTime		1241
	Number <Nb>	[1..1]	Text		1241
	Package <Packg>	[0..*]			1242
	PackageIdentification <PackgId>	[0..1]	±		1242
	PackageLength <PackgLngh>	[0..1]	Quantity		1242
	OffsetStart <OffsetStart>	[0..1]	Quantity		1242
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		1243
	PackageBlock <PackgBlck>	[0..*]			1243
	Identification <Id>	[1..1]	Text		1243
	Value <Val>	[0..1]	Binary		1243
	ProtectedValue <PrctcdVal>	[0..1]	±		1243
	Type <Tp>	[0..1]	Text		1244

#### 27.1.7.6.4 Card <Card>

*Presence:* [0..1]

*Definition:* Payment card performing the transaction.

**Card <Card>** contains the following **PaymentCard32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1161
	PrivateCardData <PrvtCardData>	[0..1]	Binary		1161
	PlainCardData <PlainCardData>	[0..1]	±		1161
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1162
	MaskedPAN <MskdPAN>	[0..1]	Text		1162
	IssuerBIN <IssrBIN>	[0..1]	Text		1162
	CardCountryCode <CardCtryCd>	[0..1]	Text		1162
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1162
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		1163
	CardBrand <CardBrnd>	[0..1]	Text		1163
	CardProductType <CardPdctTp>	[0..1]	CodeSet		1163
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		1163
	InternationalCard <IntrnlCard>	[0..1]	Indicator		1163
	AllowedProduct <AllwdPdct>	[0..*]	Text		1163
	ServiceOption <SvcOptn>	[0..1]	Text		1164
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1164

#### 27.1.7.6.4.1 ProtectedCardData <PrtctdCardData>

*Presence:* [0..1]

*Definition:* Replacement of the message element PlainCardData by a digital envelope using a cryptographic key.

**ProtectedCardData <PrtctdCardData>** contains the following elements (see "ContentInformationType32" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

#### 27.1.7.6.4.2 PrivateCardData <PrvtCardData>

*Presence:* [0..1]

*Definition:* Replacement of the message element PlainCardData by a private envelope.

*Datatype:* "Max100KBinary" on page 1338

#### 27.1.7.6.4.3 PlainCardData <PlainCardData>

*Presence:* [0..1]

*Definition:* Sensitive data associated with the card performing the transaction.

**PlainCardData** <PlainCardData> contains the following elements (see "PlainCardData15" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		862
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		862
	EffectiveDate <FctvDt>	[0..1]	Text		862
	ExpiryDate <XpryDt>	[1..1]	Text		863
	ServiceCode <SvcCd>	[0..1]	Text		863
	Track1 <Trck1>	[0..1]	Text		863
	Track2 <Trck2>	[0..1]	Text		863
	Track3 <Trck3>	[0..1]	Text		863
	CardholderName <CrdhldrNm>	[0..1]	Text		863

#### 27.1.7.6.4.4 PaymentAccountReference <PmtAcctRef>

*Presence:* [0..1]

*Definition:* Unique reference to the card, used by both merchants and acquirers to link tokenized and non-tokenized transactions associated to the same underlying card.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.6.4.5 MaskedPAN <MskdPAN>

*Presence:* [0..1]

*Definition:* Masked PAN to be printed on payment receipts or displayed to the cardholder. Masked digits may be absent or replaced by another character as '\*'.

*Datatype:* "Max30Text" on page 1398

#### 27.1.7.6.4.6 IssuerBIN <IssrBIN>

*Presence:* [0..1]

*Definition:* Bank identifier number of the issuer for routing purpose.

*Datatype:* "Max15NumericText" on page 1397

#### 27.1.7.6.4.7 CardCountryCode <CardCtryCd>

*Presence:* [0..1]

*Definition:* Country code assigned to the card by the card issuer.

*Datatype:* "Max3Text" on page 1399

#### 27.1.7.6.4.8 CardCurrencyCode <CardCcyCd>

*Presence:* [0..1]

*Definition:* Currency code of the card issuer (ISO 4217 numeric code).

*Datatype:* "Exact3AlphaNumericText" on page 1396

**27.1.7.6.4.9 CardProductProfile <CardPdctPrfl>***Presence:* [0..1]*Definition:* Defines a category of cards related to the acceptance processing rules defined by the acquirer.*Datatype:* "Max35Text" on page 1399**27.1.7.6.4.10 CardBrand <CardBrnd>***Presence:* [0..1]*Definition:* Brand name of the card.*Datatype:* "Max35Text" on page 1399**27.1.7.6.4.11 CardProductType <CardPdctTp>***Presence:* [0..1]*Definition:* Type of card product.*Datatype:* "CardProductType1Code" on page 1360

CodeName	Name	Definition
COMM	CommercialCard	Cards issued as a means of business expenditure, for instance business card or corporate card. The user could be a company, an individual for business expenses or a self employed for business purposes.
CONS	ConsumerCard	Cards issued as a means of personal expenditure. The user is always an individual.

**27.1.7.6.4.12 CardProductSubType <CardPdctSubTp>***Presence:* [0..1]*Definition:* Additional information to identify CardProduct.*Datatype:* "Max35Text" on page 1399**27.1.7.6.4.13 InternationalCard <IntrnlCard>***Presence:* [0..1]*Definition:* True if the card may be used abroad.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.7.6.4.14 AllowedProduct <AllwdPdct>***Presence:* [0..\*]*Definition:* Product that can be purchased with the card.*Datatype:* "Max70Text" on page 1400

**27.1.7.6.4.15 ServiceOption <SvcOptn>***Presence:* [0..1]*Definition:* Options to the service provided by the card.*Datatype:* "Max35Text" on page 1399**27.1.7.6.4.16 AdditionalCardData <AddtlCardData>***Presence:* [0..1]*Definition:* Additional card issuer specific data.*Datatype:* "Max70Text" on page 1400**27.1.7.6.5 Check <Chck>***Presence:* [0..1]*Definition:* Check Payment instrument.**Check <Chck>** contains the following **Check1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BankIdentification <Bkld>	[0..1]	Text		1164
	AccountNumber <AcctNb>	[0..1]	Text		1164
	CheckNumber <ChckNb>	[0..1]	Text		1164
	CheckCardNumber <ChckCardNb>	[0..1]	Text		1165
	CheckTrackData2 <ChckTrckData2>	[0..1]			1165
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166
	CheckType <ChckTp>	[0..1]	CodeSet		1166
	Country <Ctry>	[0..1]	Text		1166

**27.1.7.6.5.1 BankIdentification <Bkld>***Presence:* [0..1]*Definition:* Identification of the institution (bank) issuing the check.*Datatype:* "Max35Text" on page 1399**27.1.7.6.5.2 AccountNumber <AcctNb>***Presence:* [0..1]*Definition:* Identification of the account linked to the check.*Datatype:* "Max35Text" on page 1399**27.1.7.6.5.3 CheckNumber <ChckNb>***Presence:* [0..1]



*Definition:* Identification of the check.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.6.5.4 CheckCardNumber <ChckCardNb>

*Presence:* [0..1]

*Definition:* Check guarantee card number.

The human readable number from the Check Guarantee Card that is presented during the check tendering process.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.6.5.5 CheckTrackData2 <ChckTrckData2>

*Presence:* [0..1]

*Definition:* Track Data of the check to digitally identify the data.

**CheckTrackData2 <ChckTrckData2>** contains the following **TrackData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TrackNumber <TrckNb>	[0..1]	Quantity		1165
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		1165
	TrackValue <TrckVal>	[1..1]	Text		1166

##### 27.1.7.6.5.5.1 TrackNumber <TrckNb>

*Presence:* [0..1]

*Definition:* Track number of the card.

*Datatype:* "Number" on page 1395

##### 27.1.7.6.5.5.2 TrackFormat <TrckFrmt>

*Presence:* [0..1]

*Definition:* Card or check track format.

*Datatype:* "TrackFormat1Code" on page 1387

CodeName	Name	Definition
AAMV	AAMVFormat	American driver license.
CMC7	CMC7CheckFormat	Magnetic Ink Character Recognition, using the CMC-7 font - ISO 1004 Line at the bottom of a check containing the bank account and the check number.
E13B	E13BCheckFormat	Magnetic Ink Character Recognition, using the E-13B font) Line at the bottom of a check containing the bank account and the check number.
ISOF	ISOFormat	ISO card track format - ISO 7813 - ISO 4909.
JIS1	JISIFormat	Japanese track format I.

CodeName	Name	Definition
JIS2	JISIIFormat	Japanese track format II.

**27.1.7.6.5.5.3 TrackValue <TrckVal>***Presence:* [1..1]*Definition:* Card track content or equivalent.*Datatype:* "Max140Text" on page 1397**27.1.7.6.5.6 CheckType <ChckTp>***Presence:* [0..1]*Definition:* Type of the check (personal or professional).*Datatype:* "CheckType1Code" on page 1360

CodeName	Name	Definition
BANK	BankCheck	The check is guaranteed by a bank.
BUSI	BusinessCheck	The check belongs to a Company or a professional entity.
GOVC	GovernmentCheck	Check issued by Government.
PAYR	PayrollCheck	Check issued by a company for the employees.
PERS	PersonalCheck	The check belongs to an individual.

**27.1.7.6.5.7 Country <Ctry>***Presence:* [0..1]*Definition:* Country of the check.*Datatype:* "Max3Text" on page 1399**27.1.7.6.6 StoredValueAccount <StordValAcct>***Presence:* [0..\*]*Definition:* Store value account payment instrument.

**StoredValueAccount <StordValAcct>** contains the following **StoredValueAccount2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1167
	IdentificationType <IdTp>	[0..1]	CodeSet		1168
	Identification <Id>	[0..1]	Text		1168
	Brand <Brnd>	[0..1]	Text		1168
	Provider <Prvdr>	[0..1]	Text		1168
	OwnerName <OwnrNm>	[0..1]	Text		1168
	ExpiryDate <XpryDt>	[0..1]	Text		1169
	EntryMode <NtryMd>	[0..1]	CodeSet		1169
	Currency <Ccy>	[0..1]	CodeSet	C1	1169
	Balance <Bal>	[0..1]	Amount		1170

#### 27.1.7.6.6.1 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of stored value account.

*Datatype:* "StoredValueAccountType1Code" on page 1386

CodeName	Name	Definition
BNKA	BankPrepaidAccount	Prepaid account managed by a financial institution for low income customers.
CWVC	CarwashVoucher	Car wash specific account.
CPYA	CompanyPrepaidAccount	Specific prepaid account for companies or professionals expenses.
ELMY	ElectronicMoneyAccount	Account supporting e-money issued by an electronic money issuer.
GIFT	GiftCard	Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once.
GCER	GiftCertificate	Certificate to be given to a customer. Usually one shot voucher.
MLVC	MealVoucher	Meal and check voucher for restaurants.
OLVC	OnlineVoucher	Voucher that can be used online once or in several times.
MERC	MerchantAccount	Prepaid account open with a merchant or big retailers.
OTHR	OtherPrepaidAccount	Other non listed stored value instrument.
PHON	PhoneCard	Stored value instrument used to pay telephone services (e.g. card or identifier).

CodeName	Name	Definition
CARD	SmartCardTag	Stored value account hold on the chip of a smart card.
TRVL	Travel	Travel prepaid account.

**27.1.7.6.6.2 IdentificationType <IdTp>***Presence:* [0..1]*Definition:* Type of identification for this Stored Value Account.*Datatype:* "CardIdentificationType1Code" on page 1357

CodeName	Name	Definition
ACCT	AccountNumber	Account identification.
BARC	BarCode	Bar-code with a specific form of identification.
ISO2	ISOTrack2	ISO Track 2 including identification.
PHON	PhoneNumber	A phone number identifies the account on which the phone card is assigned.
CPAN	PrimaryAccountNumber	Standard card identification (card number).
PRIV	PrivativeNumbering	An identification set by a privative application.
UUID	UniversalUniqueIdentification	A Universal Unique Identification code is set for identification.

**27.1.7.6.6.3 Identification <Id>***Presence:* [0..1]*Definition:* Identification of Stored Value Account.*Datatype:* "Max35Text" on page 1399**27.1.7.6.6.4 Brand <Brnd>***Presence:* [0..1]*Definition:* Brand to which belong the account.*Datatype:* "Max35Text" on page 1399**27.1.7.6.6.5 Provider <Prvdr>***Presence:* [0..1]*Definition:* Provider of the Stored Value Account.*Datatype:* "Max35Text" on page 1399**27.1.7.6.6.6 OwnerName <OwnrNm>***Presence:* [0..1]*Definition:* Owner name of an account.*Datatype:* "Max45Text" on page 1399

**27.1.7.6.6.7 ExpiryDate <XpryDt>***Presence:* [0..1]*Definition:* Expiry date of the account of card.*Datatype:* "Max10Text" on page 1396**27.1.7.6.6.8 EntryMode <NtryMd>***Presence:* [0..1]*Definition:* Standard or last entry mode to access the Stored Value account or card.*Datatype:* "CardDataReading8Code" on page 1355

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.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

**27.1.7.6.6.9 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency of the Stored Value account.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1341**Constraints**

- ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 27.1.7.6.6.10 Balance <Bal>

*Presence:* [0..1]

*Definition:* Current balance of the Stored Value account.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.6.7 LoyaltyAccount <LtyAcct>

*Presence:* [0..\*]

*Definition:* Store value account associated to the payment.

**LoyaltyAccount <LtyAcct>** contains the following elements (see "LoyaltyAccount3" on page 1144 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		1145
	EntryMode <NtryMd>	[0..1]	CodeSet		1145
	IdentificationType <IdTp>	[0..1]	CodeSet		1146
	Brand <Brnd>	[0..1]	Text		1146
	Provider <Prvdr>	[0..1]	Text		1146
	OwnerName <OwnrNm>	[0..1]	Text		1146
	Unit <Unit>	[0..1]	CodeSet		1146
	Currency <Ccy>	[0..1]	CodeSet	C1	1147
	Balance <Bal>	[0..1]	Amount		1147

#### 27.1.7.6.8 CustomerDevice <CstmrDvc>

*Presence:* [0..1]

*Definition:* Device used by the customer to perform the payment transaction.

**CustomerDevice <CstmrDvc>** contains the following elements (see "CustomerDevice3" on page 1246 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1246
	Type <Tp>	[0..1]	Text		1246
	Provider <Prvdr>	[0..1]	Text		1246

#### 27.1.7.6.9 Wallet <Wllt>

*Presence:* [0..1]

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

**Wallet <Wlt>** contains the following elements (see "[CustomerDevice3](#)" on page 1246 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1246
	Type <Tp>	[0..1]	Text		1246
	Provider <Prvdr>	[0..1]	Text		1246

#### 27.1.7.6.10 PaymentToken <PmtTkn>

*Presence:* [0..1]

*Definition:* Payment token information.

**PaymentToken <PmtTkn>** contains the following elements (see "[Token1](#)" on page 1332 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1332
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1332
	TokenRequestorIdentification <TknRqstrId>	[0..1]	Text		1332
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1332
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1333
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1333

#### 27.1.7.6.11 MerchantToken <MrchntTkn>

*Presence:* [0..1]

*Definition:* Merchant token information.

**MerchantToken <MrchntTkn>** contains the following elements (see "[MerchantToken2](#)" on page 1333 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		1333
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1333
	TokenCharacteristic <TknChrtc>	[0..*]	Text		1334
	TokenRequestor <TknRqstr>	[0..1]			1334
	ProviderIdentification <PrvdrId>	[1..1]	Text		1334
	RequestorIdentification <RqstrId>	[1..1]	Text		1334
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		1334
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		1334
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1334
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1335

**27.1.7.6.12 Cardholder <Crdhldr>**

*Presence:* [0..1]

*Definition:* Cardholder involved in the card payment.



**Cardholder <Crhdldr>** contains the following **Cardholder18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]			1176
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <SciSctyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179
	Name <Nm>	[0..1]	Text		1179
	Language <Lang>	[0..1]	CodeSet	C6	1179
	BillingAddress <BllgAdr>	[0..1]	±		1180
	ShippingAddress <ShppgAdr>	[0..1]	±		1180
	TripNumber <TripNb>	[0..1]	Text		1181
	Vehicle <Vhcl>	[0..1]	±		1181
	Authentication <Authntcn>	[0..*]			1182
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBick>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <Crhdldrld>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <Drvrld>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			1193
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <Rslt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRslt>	[0..1]	Text		1195
	PersonalData <PrsnlData>	[0..1]	Text		1196
	MobileData <MobData>	[0..*]			1196
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		1199

**27.1.7.6.12.1 Identification <Id>***Presence:* [0..1]*Definition:* Identification of the cardholder involved in a transaction.**Identification <Id>** contains the following **PersonIdentification15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1176
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1176
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1177
	DriverIdentification <DrvrId>	[0..1]	Text		1177
	CustomerNumber <CstmrNb>	[0..1]	Text		1177
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		1177
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1177
	PassportNumber <PsptNb>	[0..1]	Text		1177
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1177
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1177
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1178
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1178
	JobNumber <JobNb>	[0..1]	Text		1178
	Department <Dept>	[0..1]	Text		1178
	EmailAddress <EmailAdr>	[0..1]	Text		1178
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1178
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179
	Other <Othr>	[0..*]	±		1179

**27.1.7.6.12.1.1 DriverLicenseNumber <DrvrLicNb>***Presence:* [0..1]*Definition:* Number assigned by a license authority to a driver's license.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.1.2 DriverLicenseLocation <DrvrLicLctn>***Presence:* [0..1]*Definition:* Country, state or province, issuer of the driver license.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.1.3 DriverLicenseName <DrvrLicNm>**

*Presence:* [0..1]

*Definition:* Name or title of the driver license.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.1.4 DriverIdentification <DrvrId>**

*Presence:* [0..1]

*Definition:* Identification of the driver in the fleet of vehicle.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.1.5 CustomerNumber <CstmrNb>**

*Presence:* [0..1]

*Definition:* Number assigned by an agent to identify its customer.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.1.6 SocialSecurityNumber <SciSctyNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a social security agency.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.1.7 AlienRegistrationNumber <AlnRegnNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a government agency to identify foreign nationals.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.1.8 PassportNumber <PsptNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a passport authority to a passport.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.1.9 TaxIdentificationNumber <TaxIdNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a tax authority to an entity.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.1.10 IdentityCardNumber <IdntyCardNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a national authority to an identity card.

*Datatype:* "Max35Text" on page 1399

**27.1.7.6.12.1.11 EmployerIdentificationNumber <MplyrIdNb>***Presence:* [0..1]*Definition:* Number assigned to an employer by a registration authority.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.1.12 EmployeeIdentificationNumber <MplyeIdNb>***Presence:* [0..1]*Definition:* Number assigned to an employee by a employer.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.1.13 JobNumber <JobNb>***Presence:* [0..1]*Definition:* Identification of the job.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.1.14 Department <Dept>***Presence:* [0..1]*Definition:* Identification of the department.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.1.15 EmailAddress <EmailAdr>***Presence:* [0..1]*Definition:* Address for electronic mail (e-mail).*Datatype:* "Max256Text" on page 1398**27.1.7.6.12.1.16 DateAndPlaceOfBirth <DtAndPlcOfBirth>***Presence:* [0..1]*Definition:* Date and place of birth of a person.**DateAndPlaceOfBirth <DtAndPlcOfBirth>** contains the following **DateAndPlaceOfBirth1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BirthDate <BirthDt>	[1..1]	Date		1178
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1179
	CityOfBirth <CityOfBirth>	[1..1]	Text		1179
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1179

**27.1.7.6.12.1.16.1 BirthDate <BirthDt>***Presence:* [1..1]*Definition:* Date on which a person is born.*Datatype:* "ISODate" on page 1392

**27.1.7.6.12.1.16.2 ProvinceOfBirth <PrvcOfBirth>***Presence:* [0..1]*Definition:* Province where a person was born.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.1.16.3 CityOfBirth <CityOfBirth>***Presence:* [1..1]*Definition:* City where a person was born.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.1.16.4 CountryOfBirth <CtryOfBirth>***Presence:* [1..1]*Definition:* Country where a person was born.*Impacted by:* C3 "Country"*Datatype:* "CountryCode" on page 1361**Constraints**

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

**27.1.7.6.12.1.17 Other <Othr>***Presence:* [0..\*]*Definition:* Unique identification of a person, as assigned by an institution, using an identification scheme.**Other <Othr>** contains the following elements (see "GenericIdentification4" on page 1104 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1104
	IdentificationType <IdTp>	[1..1]	Text		1104

**27.1.7.6.12.2 Name <Nm>***Presence:* [0..1]*Definition:* Cardholder name associated with the card.*Datatype:* "Max45Text" on page 1399**27.1.7.6.12.3 Language <Lang>***Presence:* [0..1]*Definition:* Language selected for the cardholder interface during the transaction.

Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

*Impacted by:* C6 "ValidationByTable"

*Datatype:* ["LanguageCode" on page 1369](#)

#### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

#### 27.1.7.6.12.4 BillingAddress <BllgAdr>

*Presence:* [0..1]

*Definition:* Postal address of the owner of the payment card.

**BillingAddress <BllgAdr>** contains the following elements (see ["PostalAddress22" on page 1272](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1273
	Department <Dept>	[0..1]	Text		1273
	SubDepartment <SubDept>	[0..1]	Text		1273
	AddressLine <AdrLine>	[0..2]	Text		1273
	StreetName <StrtNm>	[0..1]	Text		1274
	BuildingNumber <BldgNb>	[0..1]	Text		1274
	PostCode <PstCd>	[0..1]	Text		1274
	TownName <TwnNm>	[0..1]	Text		1274
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1274
	CountryCode <CtryCd>	[0..1]	Text		1274

#### 27.1.7.6.12.5 ShippingAddress <ShppgAdr>

*Presence:* [0..1]

*Definition:* Postal address for delivery of goods or services.



**ShippingAddress <ShppgAdr>** contains the following elements (see "PostalAddress22" on page 1272 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1273
	Department <Dept>	[0..1]	Text		1273
	SubDepartment <SubDept>	[0..1]	Text		1273
	AddressLine <AdrLine>	[0..2]	Text		1273
	StreetName <StrtNm>	[0..1]	Text		1274
	BuildingNumber <BldgNb>	[0..1]	Text		1274
	PostCode <PstCd>	[0..1]	Text		1274
	TownName <TwnNm>	[0..1]	Text		1274
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1274
	CountryCode <CtryCd>	[0..1]	Text		1274

#### 27.1.7.6.12.6 TripNumber <TripNb>

*Presence:* [0..1]

*Definition:* Identification of the trip.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.6.12.7 Vehicle <Vhcl>

*Presence:* [0..1]

*Definition:* Information related to the vehicle used for the transaction.

**Vehicle <Vhcl>** contains the following elements (see "Vehicle1" on page 1260 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VehicleNumber <VhclNb>	[0..1]	Text		1261
	TrailerNumber <TrlrNb>	[0..1]	Text		1261
	VehicleTag <VhclTag>	[0..1]	Text		1262
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		1262
	UnitNumber <UnitNb>	[0..1]	Text		1262
	ReplacementCar <RplcmntCar>	[0..1]	Indicator		1262
	Odometer <Odmtr>	[0..1]	Quantity		1262
	Hubometer <Hbmtr>	[0..1]	Quantity		1263
	TrailerHours <TrlrHrs>	[0..1]	Text		1263
	ReferHours <RefrHrs>	[0..1]	Text		1263
	Maintenanceldentification <Mntncld>	[0..1]	Text		1263
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			1263
	PAN <PAN>	[0..1]	Text		1263
	Track1 <Trck1>	[0..1]	Text		1264
	Track2 <Trck2>	[0..1]	Text		1264
	Track3 <Trck3>	[0..1]	Text		1264
	AdditionalCardData <AddtlCardData>	[0..*]	Text		1264
	EntryMode <NtryMd>	[0..1]	CodeSet		1264
	AdditionalVehicleData <AddtlVhclData>	[0..*]			1265
	Type <Tp>	[0..1]	Text		1265
	EntryMode <NtryMd>	[0..1]	CodeSet		1265
	Data <Data>	[1..1]	Text		1266

#### 27.1.7.6.12.8 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Method and data intended to be used for this transaction to authenticate the cardholder and its card.

**Authentication <Authntcn>** contains the following **CardholderAuthentication15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		1184
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		1185
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1186
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		1186
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]			1186
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187
	CardholderIdentification <CrhdldrId>	[0..1]			1187
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <SciSctyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191
	AddressVerification <AdrVrfctn>	[0..1]			1191

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192
	AuthenticationType <AuthntcnTp>	[0..1]	Text		1192
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		1192
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		1192
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			1192
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193

#### 27.1.7.6.12.8.1 AuthenticationMethod <AuthntcnMtd>

*Presence:* [0..1]

*Definition:* Method and data intended to be used for this transaction to authenticate the cardholder or its card.

*Datatype:* "AuthenticationMethod8Code" on page 1351

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
ADDB	BillingAddressVerification	Cardholder billing address verification.
BYPS	Bypass	Authentication bypassed by the merchant.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
MANU	ManualVerification	Manual verification, for example passport or drivers license.
MERC	MerchantAuthentication	Merchant-related authentication.
MOBL	Mobile	Customer mobile device.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).

CodeName	Name	Definition
OTHR	Other	Other customer authentication.
PPSG	PaperSignature	Handwritten paper signature.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
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.
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.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
TOKN	TokenAuthentication	Cryptogram generated by the token requestor or a customer device to validate the authorised use of a token.
UKNW	UnknownMethod	Authentication method is performed unknown.

#### 27.1.7.6.12.8.2 AuthenticationExemption <AuthntcnXmptn>

*Presence:* [0..1]

*Definition:* If Strong Customer Authentication is not mandated to process the transaction, this message element must identify the reason of exemption.

*Datatype:* "Exemption1Code" on page 1364

CodeName	Name	Definition
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
MINT	MerchantInitiatedTransaction	Transaction is initiated by the Card Acceptor.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
SCAD	StrongCustomerAuthenticationDelegation	Card Acceptor is a strong customer authentication delegate.

CodeName	Name	Definition
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.

#### 27.1.7.6.12.8.3 AuthenticationValue <AuthntcnVal>

*Presence:* [0..1]

*Definition:* Value used to authenticate the cardholder.

*Datatype:* "Max5000Binary" on page 1339

#### 27.1.7.6.12.8.4 ProtectedAuthenticationValue <PrctcdAuthntcnVal>

*Presence:* [0..1]

*Definition:* Protection of the authentication value.

**ProtectedAuthenticationValue <PrctcdAuthntcnVal>** contains the following elements (see "ContentInformationType32" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

#### 27.1.7.6.12.8.5 CardholderOnLinePIN <CrdhldrOnLinePIN>

*Presence:* [0..1]

*Definition:* Encrypted personal identification number (PIN) and related information.

**CardholderOnLinePIN <CrdhldrOnLinePIN>** contains the following **OnLinePIN9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1186
	PINFormat <PINFrmt>	[1..1]	CodeSet		1187
	AdditionalInput <AddtlInpt>	[0..1]	Text		1187

##### 27.1.7.6.12.8.5.1 EncryptedPINBlock <NcrptdPINBlck>

*Presence:* [1..1]

*Definition:* Encrypted PIN (Personal Identification Number).

**EncryptedPINBlock <NcrptdPINBlck>** contains the following elements (see "ContentInformationType32" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

#### 27.1.7.6.12.8.5.2 PINFormat <PINFrmt>

*Presence:* [1..1]

*Definition:* PIN (Personal Identification Number) format before encryption.

*Datatype:* "PINFormat3Code" on page 1378

CodeName	Name	Definition
ISO0	ISO0	PIN diversified with the card account number, conforming to the standard ISO 9564-2.
ISO1	ISO1	PIN completed with random padding characters, conforming to the standard ISO 9564-2.
ISO2	ISO2	PIN without diversification characters, conforming to the standard ISO 9564-2.
ISO3	ISO3	PIN diversified with the card account number and random characters, conforming to the standard ISO 9564-2.
ISO4	ISO4	PIN format used with AES encryption, conforming to the new ISO SC2 format.
ISO5	ISO5	Alternative PIN format used with AES encryption, conforming to the new ISO SC2 format.

#### 27.1.7.6.12.8.5.3 AdditionalInput <AddtlInpt>

*Presence:* [0..1]

*Definition:* Additional information required to verify the PIN (Personal Identification Number).

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.6.12.8.6 CardholderIdentification <CrhdldrId>

*Presence:* [0..1]

*Definition:* Identification of the cardholder to verify.

**CardholderIdentification <CrhdIdrId>** contains the following **PersonIdentification15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		1188
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		1188
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		1188
	DriverIdentification <DrvrId>	[0..1]	Text		1189
	CustomerNumber <CstmrNb>	[0..1]	Text		1189
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		1189
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		1189
	PassportNumber <PsptNb>	[0..1]	Text		1189
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		1189
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		1189
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		1189
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		1190
	JobNumber <JobNb>	[0..1]	Text		1190
	Department <Dept>	[0..1]	Text		1190
	EmailAddress <EmailAdr>	[0..1]	Text		1190
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			1190
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191
	Other <Othr>	[0..*]	±		1191

#### 27.1.7.6.12.8.6.1 DriverLicenseNumber <DrvrLicNb>

*Presence:* [0..1]

*Definition:* Number assigned by a license authority to a driver's license.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.6.12.8.6.2 DriverLicenseLocation <DrvrLicLctn>

*Presence:* [0..1]

*Definition:* Country, state or province, issuer of the driver license.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.6.12.8.6.3 DriverLicenseName <DrvrLicNm>

*Presence:* [0..1]



*Definition:* Name or title of the driver license.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.8.6.4 DriverIdentification <DrvrlId>**

*Presence:* [0..1]

*Definition:* Identification of the driver in the fleet of vehicle.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.8.6.5 CustomerNumber <CstmrNb>**

*Presence:* [0..1]

*Definition:* Number assigned by an agent to identify its customer.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.8.6.6 SocialSecurityNumber <ScISctyNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a social security agency.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.8.6.7 AlienRegistrationNumber <AlnRegnNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a government agency to identify foreign nationals.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.8.6.8 PassportNumber <PsptNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a passport authority to a passport.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.8.6.9 TaxIdentificationNumber <TaxIdNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a tax authority to an entity.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.8.6.10 IdentityCardNumber <IdntyCardNb>**

*Presence:* [0..1]

*Definition:* Number assigned by a national authority to an identity card.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.6.12.8.6.11 EmployerIdentificationNumber <MplyrIdNb>**

*Presence:* [0..1]

*Definition:* Number assigned to an employer by a registration authority.

*Datatype:* "Max35Text" on page 1399

**27.1.7.6.12.8.6.12 EmployeeIdentificationNumber <MplyeeldNb>***Presence:* [0..1]*Definition:* Number assigned to an employee by a employer.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.8.6.13 JobNumber <JobNb>***Presence:* [0..1]*Definition:* Identification of the job.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.8.6.14 Department <Dept>***Presence:* [0..1]*Definition:* Identification of the department.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.8.6.15 EmailAddress <EmailAdr>***Presence:* [0..1]*Definition:* Address for electronic mail (e-mail).*Datatype:* "Max256Text" on page 1398**27.1.7.6.12.8.6.16 DateAndPlaceOfBirth <DtAndPlcOfBirth>***Presence:* [0..1]*Definition:* Date and place of birth of a person.**DateAndPlaceOfBirth <DtAndPlcOfBirth>** contains the following **DateAndPlaceOfBirth1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BirthDate <BirthDt>	[1..1]	Date		1190
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		1190
	CityOfBirth <CityOfBirth>	[1..1]	Text		1191
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	1191

**27.1.7.6.12.8.6.16.1 BirthDate <BirthDt>***Presence:* [1..1]*Definition:* Date on which a person is born.*Datatype:* "ISODate" on page 1392**27.1.7.6.12.8.6.16.2 ProvinceOfBirth <PrvcOfBirth>***Presence:* [0..1]*Definition:* Province where a person was born.*Datatype:* "Max35Text" on page 1399

**27.1.7.6.12.8.6.16.3 CityOfBirth <CityOfBirth>***Presence:* [1..1]*Definition:* City where a person was born.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.8.6.16.4 CountryOfBirth <CtryOfBirth>***Presence:* [1..1]*Definition:* Country where a person was born.*Impacted by:* C3 "Country"*Datatype:* "CountryCode" on page 1361**Constraints**

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

**27.1.7.6.12.8.6.17 Other <Othr>***Presence:* [0..\*]*Definition:* Unique identification of a person, as assigned by an institution, using an identification scheme.**Other <Othr>** contains the following elements (see "GenericIdentification4" on page 1104 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1104
	IdentificationType <IdTp>	[1..1]	Text		1104

**27.1.7.6.12.8.7 AddressVerification <AdrVrfctn>***Presence:* [0..1]*Definition:* Numeric characters of the cardholder's billing or shipping address for verification.**AddressVerification <AdrVrfctn>** contains the following **AddressVerification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressDigits <AdrDgts>	[0..1]	Text		1191
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		1192

**27.1.7.6.12.8.7.1 AddressDigits <AdrDgts>***Presence:* [0..1]*Definition:* Numeric characters from the cardholder's address excluding the postal code (that is street number).*Datatype:* "Max5NumericText" on page 1400

**27.1.7.6.12.8.7.2 PostalCodeDigits <PstlCdDgts>***Presence:* [0..1]*Definition:* Numeric characters from the cardholder's postal code.*Datatype:* "Max5NumericText" on page 1400**27.1.7.6.12.8.8 AuthenticationType <AuthntcnTp>***Presence:* [0..1]*Definition:* Type of authentication for a given method - e.g. three-domain authentication, scheme-proprietary authentication, etc.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.8.9 AuthenticationLevel <AuthntcnLvl>***Presence:* [0..1]*Definition:* Level of authentication for a given type - e.g. value assigned by scheme rules or by bilateral agreements.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.8.10 AuthenticationResult <AuthntcnRslt>***Presence:* [0..1]*Definition:* Result of authentication.*Datatype:* "AuthenticationResult1Code" on page 1353

CodeName	Name	Definition
DENY	Denial	The authentication didn't succeed.
MRCH	MerchantNotEnroled	Merchant not enrolled in the authentication programme.
CARD	NonParticipation	The card does not participate in the authentication programme.
AUTH	UnableToAuthenticate	The authentication couldn't be carried out.
CRPT	WithCryptogram	Authentication succeeded with a cryptogram.
UCRP	WithoutCryptogram	Authentication succeeded without a cryptogram.

**27.1.7.6.12.8.11 AuthenticationAdditionalInformation <AuthntcnAddtlInf>***Presence:* [0..1]*Definition:* Additional information related to the result of the authentication.

**AuthenticationAdditionalInformation <AuthntcnAddtlInf>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1193
	Value <Val>	[0..1]	Binary		1193
	ProtectedValue <PrctcdVal>	[0..1]	±		1193
	Type <Tp>	[0..1]	Text		1193

#### 27.1.7.6.12.8.11.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.7.6.12.8.11.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

#### 27.1.7.6.12.8.11.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "ContentInformationType30" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 27.1.7.6.12.8.11.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "Max1025Text" on page 1396

#### 27.1.7.6.12.9 TransactionVerificationResult <TxVrfctnRslt>

*Presence:* [0..\*]

*Definition:* Result of performed verifications for the transaction.

**TransactionVerificationResult <TxVrfctnRsIt>** contains the following **TransactionVerificationResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		1194
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1195
	Result <RsIt>	[0..1]	CodeSet		1195
	AdditionalResult <AddtlRsIt>	[0..1]	Text		1195

#### 27.1.7.6.12.9.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod6Code" on page 1350

CodeName	Name	Definition
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
PPSG	PaperSignature	Handwritten paper signature.
PSWD	Password	Authentication by a password.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
ADDB	BillingAddressVerification	Cardholder billing address verification.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
MANU	ManualVerification	Manual verification, for example passport or drivers license.

CodeName	Name	Definition
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

#### 27.1.7.6.12.9.2 VerificationEntity <VrfctnNtty>

*Presence:* [0..1]

*Definition:* Entity or device that has performed the verification.

*Datatype:* "AuthenticationEntity2Code" on page 1350

CodeName	Name	Definition
ICCD	ICC	Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification.
AGNT	AuthorisedAgent	Authorisation agent of the issuer.
MERC	Merchant	Merchant (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

#### 27.1.7.6.12.9.3 Result <RsIt>

*Presence:* [0..1]

*Definition:* Result of the verification.

*Datatype:* "Verification1Code" on page 1391

CodeName	Name	Definition
FAIL	Failed	Verification failed.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

#### 27.1.7.6.12.9.4 AdditionalResult <AddtlRsIt>

*Presence:* [0..1]

*Definition:* Additional result of the verification.

*Datatype:* "Max500Text" on page 1400

**27.1.7.6.12.10 PersonalData <PrsnlData>***Presence:* [0..1]*Definition:* Identifies personal data related to the cardholder.*Datatype:* "Max70Text" on page 1400**27.1.7.6.12.11 MobileData <MobData>***Presence:* [0..\*]*Definition:* Data related to the mobile of stakeholder.**MobileData <MobData>** contains the following **MobileData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MobileCountryCode <MobCtryCd>	[0..1]	Text		1196
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		1196
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		1197
	Geolocation <Glctn>	[0..1]			1197
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwrdr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		1198
	SensitiveMobileData <SnstvlMobData>	[0..1]			1198
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		1199

**27.1.7.6.12.11.1 MobileCountryCode <MobCtryCd>***Presence:* [0..1]*Definition:* Identifies the country of a mobile phone operator.*Datatype:* "Min2Max3AlphaText" on page 1401**27.1.7.6.12.11.2 MobileNetworkCode <MobNtwkCd>***Presence:* [0..1]*Definition:* Identifies the mobile phone operator inside a country.*Datatype:* "Min2Max3NumericText" on page 1401



**27.1.7.6.12.11.3 MobileMaskedMSISDN <MobMskdMSISDN>***Presence:* [0..1]*Definition:* Masked Mobile Subscriber Integrated Service Digital Network.*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.11.4 Geolocation <Glctn>***Presence:* [0..1]*Definition:* Geographic location specified by geographic or UTM coordinates.**Geolocation <Glctn>** contains the following **Geolocation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	GeographicCoordinates <GeogcCordints>	[0..1]			1197
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197
	UTMCoordinates <UTMCordints>	[0..1]			1198
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198

**27.1.7.6.12.11.4.1 GeographicCoordinates <GeogcCordints>***Presence:* [0..1]*Definition:* Geographic location specified by geographic coordinates.**GeographicCoordinates <GeogcCordints>** contains the following **GeolocationGeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1197
	Longitude <Long>	[1..1]	Text		1197

**27.1.7.6.12.11.4.1.1 Latitude <Lat>***Presence:* [1..1]*Definition:* Angular distance of a location on the earth south or north of the equator.

The latitude is 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 the Eiffel Tower latitude.

*Datatype:* "Max35Text" on page 1399**27.1.7.6.12.11.4.1.2 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: 23°27'30" E.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.6.12.11.4.2 UTMCoordinates <UTMCordints>

*Presence:* [0..1]

*Definition:* Geographic location specified by UTM coordinates.

**UTMCoordinates <UTMCordints>** contains the following **GeolocationUTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		1198
	UTMEastward <UTMEstwr>	[1..1]	Text		1198
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1198

##### 27.1.7.6.12.11.4.2.1 UTMZone <UTMZone>

*Presence:* [1..1]

*Definition:* UTM grid zone combination of the longitude zone (1 to 60) and the latitude band (C to X, excluding I and O).

*Datatype:* "Max35Text" on page 1399

##### 27.1.7.6.12.11.4.2.2 UTMEastward <UTMEstwr>

*Presence:* [1..1]

*Definition:* X-coordinate of the Universal Transverse Mercator coordinate system.

*Datatype:* "Max35Text" on page 1399

##### 27.1.7.6.12.11.4.2.3 UTMNorthward <UTMNrthwr>

*Presence:* [1..1]

*Definition:* Y-coordinate of the Universal Transverse Mercator coordinate system.

*Datatype:* "Max35Text" on page 1399

##### 27.1.7.6.12.11.5 SensitiveMobileData <SnstvMobData>

*Presence:* [0..1]

*Definition:* Sensitive information related to the mobile phone.

**SensitiveMobileData <SnstvMobData>** contains the following **SensitiveMobileData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MSISDN <MSISDN>	[1..1]	Text		1199
	IMSI <IMSI>	[0..1]	Text		1199
	IMEI <IMEI>	[0..1]	Text		1199

#### 27.1.7.6.12.11.5.1 MSISDN <MSISDN>

*Presence:* [1..1]

*Definition:* identifies the mobile - Mobile Subscriber Integrated Service Digital Network (The SIM identifier).

*Datatype:* "Max35NumericText" on page 1399

#### 27.1.7.6.12.11.5.2 IMSI <IMSI>

*Presence:* [0..1]

*Definition:* International Mobile Subscriber Identity is a unique number associated with the mobile phone user, containing the Mobile Country Code (MCC), the Mobile Network Code (MNC), and the Mobile Identification Number (MSIN).

*Datatype:* "Max35NumericText" on page 1399

#### 27.1.7.6.12.11.5.3 IMEI <IMEI>

*Presence:* [0..1]

*Definition:* International Mobile Equipment Identity is a number usually unique to identify a mobile phone.

*Datatype:* "Max35NumericText" on page 1399

#### 27.1.7.6.12.11.6 ProtectedMobileData <PrtctdMobData>

*Presence:* [0..1]

*Definition:* Sensitive information related to the mobile phone, protected by CMS.

**ProtectedMobileData <PrtctdMobData>** contains the following elements (see "ContentInformationType32" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

#### 27.1.7.6.13 ProtectedCardholderData <PrtctdCrhdlrData>

*Presence:* [0..1]

*Definition:* Replacement of the message element Cardholder by a digital envelope using a cryptographic key.

**ProtectedCardholderData <PrctcdCrhdldrData>** contains the following elements (see "ContentInformationType32" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

#### 27.1.7.6.14 SaleEnvironment <SaleEnv>

*Presence:* [0..1]

*Definition:* Sale Retailer Environment for this message.

**SaleEnvironment <SaleEnv>** contains the following **RetailerSaleEnvironment2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		1200
	Currency <Ccy>	[0..1]	CodeSet	C1	1201
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		1201
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		1201
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		1202
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		1202
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		1202

##### 27.1.7.6.14.1 SaleCapabilities <SaleCpblties>

*Presence:* [0..\*]

*Definition:* Capabilities of the Sale system.

*Datatype:* "SaleCapabilities1Code" on page 1384

CodeName	Name	Definition
CHDI	CashierDisplay	Standard Cashier display interface (to ask question, or to show information).
CHER	CashierError	To display to the Cashier information related to an error situation occurring on the POI.
CHIN	CashierInput	Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). The output device attached to this input device is the CashierDisplay device.
CHST	CashierStatus	To display to the Cashier a new state on which the POI is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer.

CodeName	Name	Definition
CUDI	CustomerDisplay	Standard Customer display interface used by the POI System to ask question, or to show information to the Customer inside a Service dialogue.
CUAS	CustomerAssistance	Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer.
CUER	CustomerError	To display to the Customer information is related to an error situation occurring on the Sale Terminal during a Sale transaction.
CUIN	CustomerInput	Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element).
POIR	POIReplication	Information displayed on the Cardholder POI interface, replicated on the Cashier interface.
PRDC	PrinterDocument	When the POI System wants to print specific document (check, dynamic currency conversion ...).
PRRP	PrinterReceipt	Printer for the Payment receipt.
PRVC	PrinterVoucher	Coupons, voucher or special ticket generated by the POI and to be printed.

#### 27.1.7.6.14.2 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Default currency associated with the sale system.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 27.1.7.6.14.3 MinimumAmountToDeliver <MinAmtToDlvr>

*Presence:* [0..1]

*Definition:* Minimum amount the Sale System is allowed to deliver for this payment.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.6.14.4 MaximumCashBackAmount <MaxCshBckAmt>

*Presence:* [0..1]

*Definition:* Maximum amount which could be requested for cash-back.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.6.14.5 MinimumSplitAmount <MinSpltAmt>

*Presence:* [0..1]

*Definition:* Minimum amount to split a sale transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.6.14.6 DebitPreferredFlag <DbtPrefrdFlg>

*Presence:* [0..1]

*Definition:* Flag if preferred type of payment is a debit transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.7.6.14.7 LoyaltyHandling <LltyHdlg>

*Presence:* [0..1]

*Definition:* Way of Loyalty handling.

*Datatype:* "LoyaltyHandling1Code" on page 1370

CodeName	Name	Definition
ALLO	Allowed	The loyalty is accepted, but the POI has not to require or ask a loyalty card. The loyalty is involved by the payment card (e.g. an hybrid or linked card).
DENY	Forbidden	No loyalty card to read and loyalty transaction to process. Any attempt to enter a pure loyalty card is rejected.
PRCS	Processed	The loyalty transaction is already processed, no loyalty card or loyalty transaction to process.
PROP	Proposed	The loyalty is accepted, and the POI has to ask a loyalty card. If the Customer does not enter a loyalty card, no loyalty transaction is realised.
REQU	Required	The loyalty is required, and the POI refuses the processing of the message request if the cardholder does not enter a loyalty card.

#### 27.1.7.7 CardPaymentContext29

*Definition:* Context in which the transaction is performed (payment and sale).

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			1205
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttnhdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpptdOptn>	[0..*]	CodeSet		1209
	SaleContext <SaleCntxt>	[0..1]			1209
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrlId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		1212
	SplitPayment <SpltPmt>	[0..1]	Indicator		1213

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214
	DirectDebitContext <DrctDbtCntxt>	[0..1]			1214
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MandatImage <MndtImg>	[0..1]	Binary		1222

#### 27.1.7.7.1 PaymentContext <PmtCntxt>

*Presence:* [0..1]

*Definition:* Context of the card payment transaction.

**PaymentContext <PmtCntxt>** contains the following **PaymentContext28** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1205
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		1205
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		1206
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		1206
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		1206
	TransactionChannel <TxChanl>	[0..1]	CodeSet		1206
	BusinessArea <BizArea>	[0..1]	CodeSet		1207
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		1207
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	1207
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1208
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		1208
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		1209

##### 27.1.7.7.1.1 CardPresent <CardPres>

*Presence:* [0..1]

*Definition:* Indicates whether the transaction has been initiated by a card physically present or not.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

##### 27.1.7.7.1.2 CardholderPresent <CrhdldrPres>

*Presence:* [0..1]

*Definition:* Indicates whether the transaction has been initiated in presence of the cardholder or not.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**27.1.7.7.1.3 OnLineContext <OnLineCntxt>***Presence:* [0..1]*Definition:* On-line or off-line context of the transaction.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.7.7.1.4 AttendanceContext <AttndncCntxt>***Presence:* [0..1]*Definition:* Human attendance at the POI (Point Of Interaction) location during the transaction.*Datatype:* "AttendanceContext1Code" on page 1349

CodeName	Name	Definition
ATTD	Attended	Attended payment, with an attendant.
SATT	SemiAttended	Semi-attended, including self checkout. An attendant supervises several payment, and could be called to help the cardholder.
UATT	Unattended	Unattended payment, no attendant present.

**27.1.7.7.1.5 TransactionEnvironment <TxEnv>***Presence:* [0..1]*Definition:* Indicates the environment of the transaction.*Datatype:* "TransactionEnvironment1Code" on page 1388

CodeName	Name	Definition
MERC	Merchant	Merchant environment.
PRIV	Private	Private environment.
PUBL	Public	Public environment.

**27.1.7.7.1.6 TransactionChannel <TxChanl>***Presence:* [0..1]*Definition:* Identifies the type of the communication channels used by the cardholder to the acceptor system.*Datatype:* "TransactionChannel5Code" on page 1388

CodeName	Name	Definition
MAIL	MailOrder	Mail order.
TLPH	TelephoneOrder	Telephone order.
ECOM	ElectronicCommerce	Electronic commerce.
TVPY	TelevisionPayment	Payment on television.

CodeName	Name	Definition
SECM	SecuredElectronicCommerce	Electronic commerce with cardholder authentication.
MOBL	MobilePayment	Payment performed through a cardholder mobile device.
MPOS	MobilePOS	Payment performed through a merchant mobile device.

#### 27.1.7.7.1.7 BusinessArea <BizArea>

*Presence:* [0..1]

*Definition:* Defines the business context of this transaction that could imply specific scheme rules.

*Datatype:* "BusinessArea1Code" on page 1353

CodeName	Name	Definition
AIBD	ArtificialIntelligenceBasedDecision	The payment is initiated by an artificial intelligence based decision.
OPMT	Openpayment	The card is used in a Transit business case where the fare amount is not known when the transaction is initiated.
PPAY	PlainPayment	The card is used to perform a plain payment.
TKNF	TransitKnownFare	The card is used in a Transit business case where the fare amount is known when the transaction is initiated.

#### 27.1.7.7.1.8 AttendantMessageCapable <AtndntMsgCpbl>

*Presence:* [0..1]

*Definition:* Indicates whether a message can be sent or not on an attendant display (attendant display present or not).

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.7.7.1.9 AttendantLanguage <AtndntLang>

*Presence:* [0..1]

*Definition:* Language used to display messages to the attendant.

Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "LanguageCode" on page 1369

**Constraints**

- **ValidationByTable**

Must be a valid terrestrial language.

**27.1.7.7.1.10 CardDataEntryMode <CardDataNtryMd>**

*Presence:* [0..1]

*Definition:* Entry mode of the card data.

*Datatype:* "CardDataReading8Code" on page 1355

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.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

**27.1.7.7.1.11 FallbackIndicator <FllbckInd>**

*Presence:* [0..1]

*Definition:* Indicator of a card entry mode fallback.

*Datatype:* "CardFallback1Code" on page 1356

CodeName	Name	Definition
FFLB	FallbackAfterFailure	Card fall-back occurred during the transaction in progress. The previous transaction on the terminal failed.
SFLB	FallbackAfterSuccess	Card fall-back occurred during the transaction in progress. The previous transaction on the terminal was successful.

CodeName	Name	Definition
NFLB	NoFallback	No card fall-back during the transaction in progress.

#### 27.1.7.7.1.12 SupportedOption <SpprtdOptn>

*Presence:* [0..\*]

*Definition:* Payment options the card acceptor can support.

*Datatype:* "SupportedPaymentOption2Code" on page 1386

CodeName	Name	Definition
PART	PartialApproval	The entity supports a partial approval of the payment transaction.
MSRV	PaymentApprovalOnly	The entity supports the approval of the payment service along with the decline of additional requested services (as cash-back).
INSI	IssuerInstalment	The sender support IssuerInstalment proposals to the Cardholder.
PINQ	PINRequest	The sender is able to support Single Tap transaction.

#### 27.1.7.7.2 SaleContext <SaleCntxt>

*Presence:* [0..1]

*Definition:* Context of the sale involving the card payment transaction.

**SaleContext** <SaleCntxt> contains the following **SaleContext4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		1210
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1210
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		1211
	CashierIdentification <CshrlId>	[0..1]	Text		1211
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	1211
	ShiftNumber <ShftNb>	[0..1]	Text		1211
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		1211
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		1211
	InvoiceNumber <InvNb>	[0..1]	Text		1211
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1212
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			1212
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <RegldIdr>	[1..1]	Text		1212
	SplitPayment <Spltpmt>	[0..1]	Indicator		1213
	RemainingAmount <RmngAmt>	[0..1]	Amount		1213
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		1213
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		1213
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		1213
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		1214
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		1214

#### 27.1.7.7.2.1 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 1399

#### 27.1.7.7.2.2 SaleReferenceNumber <SaleRefNb>

*Presence:* [0..1]

*Definition:* Identify a sale transaction assigned by the sale system.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.7.2.3 SaleReconciliationIdentification <SaleRcncltnId>**

*Presence:* [0..1]

*Definition:* Identifier of the reconciliation between the Sale system and the POI system.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.7.2.4 CashierIdentification <CshrId>**

*Presence:* [0..1]

*Definition:* Identification of the cashier who carried out the transaction.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.7.2.5 CashierLanguage <CshrLang>**

*Presence:* [0..\*]

*Definition:* Languages used by the cashier.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "LanguageCode" on page 1369

##### **Constraints**

- **ValidationByTable**

Must be a valid terrestrial language.

#### **27.1.7.7.2.6 ShiftNumber <ShftNb>**

*Presence:* [0..1]

*Definition:* Identifies the shift of the cashier.

*Datatype:* "Max2NumericText" on page 1398

#### **27.1.7.7.2.7 CustomerOrderRequestFlag <CstmrOrdReqFlg>**

*Presence:* [0..1]

*Definition:* Flag indicating that list of CustomerOrders should be returned in response.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### **27.1.7.7.2.8 PurchaseOrderNumber <PurchsOrdNb>**

*Presence:* [0..1]

*Definition:* Identification of the purchase order.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.7.2.9 InvoiceNumber <InvcNb>**

*Presence:* [0..1]

*Definition:* Identification of the invoice.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.7.2.10 DeliveryNoteNumber <DlvryNoteNb>

*Presence:* [0..1]

*Definition:* Identification allocated by the sale system and given to the customer.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.7.2.11 SponsoredMerchant <SpnsrdMrchnt>

*Presence:* [0..\*]

*Definition:* Merchant using the payment services of a payment facilitator, acting as a card acceptor.

**SponsoredMerchant <SpnsrdMrchnt>** contains the following **Organisation26** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommonName <CmonNm>	[1..1]	Text		1212
	Address <Adr>	[0..1]	Text		1212
	CountryCode <CtryCd>	[1..1]	CodeSet		1212
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		1212
	RegisteredIdentifier <Regdldr>	[1..1]	Text		1212

##### 27.1.7.7.2.11.1 CommonName <CmonNm>

*Presence:* [1..1]

*Definition:* Name of the merchant.

*Datatype:* "Max70Text" on page 1400

##### 27.1.7.7.2.11.2 Address <Adr>

*Presence:* [0..1]

*Definition:* Location of the merchant.

*Datatype:* "Max140Text" on page 1397

##### 27.1.7.7.2.11.3 CountryCode <CtryCd>

*Presence:* [1..1]

*Definition:* Country of the merchant.

*Datatype:* "ISO3NumericCountryCode" on page 1368

##### 27.1.7.7.2.11.4 MerchantCategoryCode <MrchntCtgyCd>

*Presence:* [1..1]

*Definition:* Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

*Datatype:* "Min3Max4Text" on page 1402

##### 27.1.7.7.2.11.5 RegisteredIdentifier <Regdldr>

*Presence:* [1..1]



*Definition:* Identifier of the sponsored merchant assigned by the payment facilitator of their acquirer.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.7.2.12 SplitPayment <SpltPmt>**

*Presence:* [0..1]

*Definition:* True if the payment transaction is a partial payment of the sale transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### **27.1.7.7.2.13 RemainingAmount <RmngAmt>**

*Presence:* [0..1]

*Definition:* Remaining amount to complete the sale transaction, if a partial payment has been completed for the sale transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### **27.1.7.7.2.14 ForceOnlineFlag <ForceOnlnFlg>**

*Presence:* [0..1]

*Definition:* Indicates if the Cashier requires POI forces online access to the Acquirer.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### **27.1.7.7.2.15 ReuseCardDataFlag <ReuseCardDataFlg>**

*Presence:* [0..1]

*Definition:* Indicates if the card data has to be taken from a previous transaction.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### **27.1.7.7.2.16 AllowedEntryMode <AllwdNtryMd>**

*Presence:* [0..\*]

*Definition:* Type of card data reading.

*Datatype:* "CardDataReading8Code" on page 1355

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.

CodeName	Name	Definition
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.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

#### 27.1.7.7.2.17 SaleTokenScope <SaleTknScp>

*Presence:* [0..1]

*Definition:* Scope of the token that identifies the payment mean of the customer.

*Datatype:* "SaleTokenScope1Code" on page 1385

CodeName	Name	Definition
MULT	MultipleUse	The token is generated to recognise a customer for a longer period.
SNGL	SingleUse	The token is generated to recognise a customer during the lifetime of a transaction.

#### 27.1.7.7.2.18 AdditionalSaleData <AddtlSaleData>

*Presence:* [0..1]

*Definition:* Additional information associated with the sale transaction.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.7.3 DirectDebitContext <DrctDbtCntxt>

*Presence:* [0..1]

*Definition:* Context of the direct debit transaction.

**DirectDebitContext <DrctDbtCntxt>** contains the following **CardDirectDebit2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DebtorIdentification <DbtrId>	[0..1]			1215
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219
	CreditorIdentification <CdtrId>	[1..1]			1219
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221
	MandateRelatedInformation <MndtRltdInf>	[1..1]			1221
	MandateIdentification <MndtId>	[1..1]	Text		1222
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

#### 27.1.7.7.3.1 DebtorIdentification <DbtrId>

*Presence:* [0..1]

*Definition:* Information related to the debtor.

**DebtorIdentification <DbtrId>** contains the following **Debtor4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Debtor <Dbtr>	[0..1]			1216
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217
	AccountIdentification <AcctId>	[0..1]			1218
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification <Id>	[1..1]	Text		1219

#### 27.1.7.7.3.1.1 Debtor <Dbtr>

*Presence:* [0..1]

*Definition:* Party that owes an amount of money to the (ultimate) creditor. In the context of the payment model, the debtor is also the debit account owner.

**Debtor <Dbtr>** contains one of the following **PartyIdentification178Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1217
Or}	NameAndAddress <NmAndAdr>	[1..1]			1217
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217

#### 27.1.7.7.3.1.1.1 AnyBIC <AnyBIC>

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier for an organisation that is allocated by an institution, for example, Dun & Bradstreet Identification.

*Impacted by:* C2 "AnyBIC"

*Datatype:* "AnyBICDec2014Identifier" on page 1393

**Constraints**

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

**27.1.7.7.3.1.1.2 ProprietaryIdentification <Prtryld>**

*Presence:* [1..1]

*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

**ProprietaryIdentification <Prtryld>** contains the following elements (see "[GenericIdentification36](#)" on page 1103 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1104
	Issuer <Issr>	[1..1]	Text		1104
	SchemeName <SchmeNm>	[0..1]	Text		1104

**27.1.7.7.3.1.1.3 NameAndAddress <NmAndAdr>**

*Presence:* [1..1]

*Definition:* Name by which a party is known and which is usually used to identify that party.

**NameAndAddress <NmAndAdr>** contains the following **NameAndAddress6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1217
	Address <Adr>	[1..1]	±		1217

**27.1.7.7.3.1.1.3.1 Name <Nm>**

*Presence:* [1..1]

*Definition:* Name by which a party is known and which is usually used to identify that party.

*Datatype:* "[Max70Text](#)" on page 1400

**27.1.7.7.3.1.1.3.2 Address <Adr>**

*Presence:* [1..1]

*Definition:* Information that locates and identifies a specific address, as defined by postal services.

**Address <Adr>** contains the following elements (see "PostalAddress2" on page 1331 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		1331
	PostCodeIdentification <PstCdId>	[1..1]	Text		1331
	TownName <TwnNm>	[1..1]	Text		1331
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1331
	Country <Ctry>	[1..1]	CodeSet	C3	1331

#### 27.1.7.7.3.1.2 AccountIdentification <AcctId>

*Presence:* [0..1]

*Definition:* Unique and unambiguous identification for the account between the account owner and the account servicer.

**AccountIdentification <AcctId>** contains one of the following **CashAccountIdentification7Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1218
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1218
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1219
Or}	DomesticAccount <DmstAcct>	[1..1]			1219
	Identification </Id>	[1..1]	Text		1219

#### 27.1.7.7.3.1.2.1 IBAN <IBAN>

*Presence:* [1..1]

*Definition:* International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

*Impacted by:* C4 "IBAN"

*Datatype:* "IBAN2007Identifier" on page 1393

#### Constraints

- IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

#### 27.1.7.7.3.1.2.2 BBAN <BBAN>

*Presence:* [1..1]

**Definition:** Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, ie, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

**Datatype:** "BBANIdentifier" on page 1393

#### 27.1.7.7.3.1.2.3 UPIC <UPIC>

**Presence:** [1..1]

**Definition:** Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

**Datatype:** "UPICIdentifier" on page 1394

#### 27.1.7.7.3.1.2.4 DomesticAccount <DmstAcct>

**Presence:** [1..1]

**Definition:** Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

**DomesticAccount <DmstAcct>** contains the following **SimpleIdentificationInformation4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1219

##### 27.1.7.7.3.1.2.4.1 Identification <Id>

**Presence:** [1..1]

**Definition:** Name or number assigned by an entity to enable recognition of that entity, for example, account identifier.

**Datatype:** "Max35Text" on page 1399

#### 27.1.7.7.3.2 CreditorIdentification <CdtrId>

**Presence:** [1..1]

**Definition:** Information related to the creditor.

**CreditorIdentification <CdtrId>** contains the following **Creditor4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Creditor <Cdtr>	[1..1]			1220
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221
	RegistrationIdentification <RegnId>	[0..1]	Text		1221

**27.1.7.7.3.2.1 Creditor <Cdtr>***Presence:* [1..1]*Definition:* Party that receives an amount of money from the debtor. In the context of the payment model, the creditor is also the credit account owner.**Creditor <Cdtr>** contains one of the following **PartyIdentification178Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1220
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		1220
Or}	NameAndAddress <NmAndAdr>	[1..1]			1220
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221

**27.1.7.7.3.2.1.1 AnyBIC <AnyBIC>***Presence:* [1..1]*Definition:* Unique and unambiguous identifier for an organisation that is allocated by an institution, for example, Dun & Bradstreet Identification.*Impacted by:* C2 "AnyBIC"*Datatype:* "AnyBICDec2014Identifier" on page 1393**Constraints**

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

**27.1.7.7.3.2.1.2 ProprietaryIdentification <PrtryId>***Presence:* [1..1]*Definition:* Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.**ProprietaryIdentification <PrtryId>** contains the following elements (see "GenericIdentification36" on page 1103 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1104
	Issuer <Issr>	[1..1]	Text		1104
	SchemeName <SchmeNm>	[0..1]	Text		1104

**27.1.7.7.3.2.1.3 NameAndAddress <NmAndAdr>***Presence:* [1..1]*Definition:* Name by which a party is known and which is usually used to identify that party.



**NameAndAddress <NmAndAdr>** contains the following **NameAndAddress6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1221
	Address <Adr>	[1..1]	±		1221

#### 27.1.7.7.3.2.1.3.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name by which a party is known and which is usually used to identify that party.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.7.3.2.1.3.2 Address <Adr>

*Presence:* [1..1]

*Definition:* Information that locates and identifies a specific address, as defined by postal services.

**Address <Adr>** contains the following elements (see "PostalAddress2" on page 1331 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		1331
	PostCodeIdentification <PstCdId>	[1..1]	Text		1331
	TownName <TwnNm>	[1..1]	Text		1331
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1331
	Country <Ctry>	[1..1]	CodeSet	C3	1331

#### 27.1.7.7.3.2.2 RegistrationIdentification <RegnId>

*Presence:* [0..1]

*Definition:* Reference assigned to a creditor by its financial institution, or relevant authority, authorising the creditor to take part in a direct debit scheme.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.7.3.3 MandateRelatedInformation <MndtRltdInf>

*Presence:* [1..1]

*Definition:* Provides further details of the mandate signed between the creditor and the debtor.

**MandateRelatedInformation <MndtRltdInf>** contains the following **MandateRelatedInformation13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MandateIdentification <MndtId>	[1..1]	Text		1222
	DateOfSignature <DtOfSgntr>	[0..1]	Date		1222
	MandateImage <MndtImg>	[0..1]	Binary		1222

**27.1.7.7.3.3.1 MandateIdentification <MndtId>***Presence:* [1..1]*Definition:* Unique identification, as assigned by the creditor, to unambiguously identify the mandate.*Datatype:* "Max35Text" on page 1399**27.1.7.7.3.3.2 DateOfSignature <DtOfSgntr>***Presence:* [0..1]*Definition:* Date on which the direct debit mandate has been signed by the debtor.*Datatype:* "ISODate" on page 1392**27.1.7.7.3.3.3 MandateImage <MndtImg>***Presence:* [0..1]*Definition:* Image of scanned signed mandate.*Datatype:* "Max2MBBinary" on page 1339**27.1.7.8 ActionMessage9***Definition:* Information to display, print or store.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		1222
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		1223
	Format <Frmt>	[0..1]	CodeSet		1224
	MessageContent <MsgCntt>	[0..1]	Text		1224
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		1224
	OutputBarcode <OutptBrcd>	[0..1]			1224
	BarcodeType <BrCdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrCdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrctn>	[0..1]	CodeSet		1226
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		1226
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		1226

**27.1.7.8.1 MessageDestination <MsgDstn>***Presence:* [1..1]*Definition:* Destination of the message.*Datatype:* "UserInterface4Code" on page 1391

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.

### 27.1.7.8.2 InformationQualifier <InfQlfr>

*Presence:* [0..1]

*Definition:* Qualification of the information to sent to an output logical device.

*Datatype:* "InformationQualify1Code" on page 1366

CodeName	Name	Definition
CUSA	CustomerAssistance	Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer.
DISP	Display	Standard display interface.
DOCT	Document	When the POI System wants to print specific document (check, dynamic currency conversion ...). Used by the Sale System when the printer is not located on the Sale System.
ERRO	Error	The information is related to an error situation occurring on the message sender.
INPT	Input	Answer to a question or information to be entered by the Cashier or the Customer, at the request of the POI Terminal or the Sale Terminal.
POIR	POIReplication	Information displayed on the Cardholder POI interface, replicated on the Cashier interface.
RCPT	Receipt	Where you print the Payment receipt that could be located on the Sale System or in some cases a restricted Sale ticket on the POI Terminal.
SOND	Sound	Standard sound interface.
STAT	Status	The information is a new state on which the message sender is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer.
VCHR	Voucher	Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed.

**27.1.7.8.3 Format <Frmt>***Presence:* [0..1]*Definition:* Message format.*Datatype:* "OutputFormat3Code" on page 1375

CodeName	Name	Definition
BARC	Barcode	Barcode to output in several possible format.
MENT	MenuEntry	A text to display as a menu before requesting an input.
MREF	MessageReference	Predefined configured messages, identified by a reference.
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

**27.1.7.8.4 MessageContent <MsgCntt>***Presence:* [0..1]*Definition:* Content or reference of the message.*Datatype:* "Max20000Text" on page 1398**27.1.7.8.5 MessageContentSignature <MsgCnttSgntr>***Presence:* [0..1]*Definition:* Digital signature of the message.

**MessageContentSignature <MsgCnttSgntr>** contains the following elements (see "ContentInformationType29" on page 1308 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1308
	AuthenticatedData <AuthntcdData>	[0..1]	±		1308
	SignedData <SgndData>	[0..1]	±		1309

**27.1.7.8.6 OutputBarcode <OutptBrcd>***Presence:* [0..1]*Definition:* Content of message displayed or printed as Barcode.

**OutputBarcode <OutptBrcd>** contains the following **OutputBarcode1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BarcodeType <BrcdTp>	[1..1]	CodeSet		1225
	BarcodeValue <BrcdVal>	[0..1]	Text		1225
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		1225
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		1226
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		1226
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		1226

#### 27.1.7.8.6.1 BarcodeType <BrcdTp>

*Presence:* [1..1]

*Definition:* Type of Barcode coding.

*Datatype:* "BarcodeType1Code" on page 1353

CodeName	Name	Definition
COQR	BarcodeEncodedAs2DQRCode	Barcode encoded according to the 2Dimensions Quick Response Code Standard.
C128	BarcodeEncodedAsCode128	Barcode encoded according to the Code 128 standard.
C025	BarcodeEncodedAsCode25	Barcode encoded according to the Code 25 standard.
C039	BarcodeEncodedAsCode39	Barcode encoded according to the Code 39 standard.
EA13	BarcodeEncodedAsEA13	Barcode encoded according to the EAN13 standard.
EAN8	BarcodeEncodedAsEAN8	Barcode encoded according to the EAN8 standard.
P417	BarcodeEncodedAsPDF417	Barcode encoded according to the PDF417 standard.
UPCA	BarcodeEncodedAsUPCA	Barcode encoded according to the UPCA standard.

#### 27.1.7.8.6.2 BarcodeValue <BrcdVal>

*Presence:* [0..1]

*Definition:* Value with a Barcode coding.

*Datatype:* "Max8000Text" on page 1401

#### 27.1.7.8.6.3 QRCodeBinaryValue <QRCDBinryVal>

*Presence:* [0..1]

*Definition:* Use for binary and Kanji Quick Response Code.

*Datatype:* "Max3000Binary" on page 1339

**27.1.7.8.6.4 QRCodeVersion <QRCDVrsn>***Presence:* [0..1]*Definition:* Version of the Quick Response Code.*Datatype:* "Max16Text" on page 1397**27.1.7.8.6.5 QRCodeEncodingMode <QRCDncodgMd>***Presence:* [1..1]*Definition:* Encoding Mode of Quick Response Code.*Datatype:* "QRCodeEncodingMode1Code" on page 1381

CodeName	Name	Definition
ALFA	Alphanumeric	Alphanumeric value provided in Barcode field.
BINA	Binary	Binary value provided in Quick Response Code Binary Value.
KANJ	Kanji	Kanji value provided in Quick Response Code Binary Value.
NUME	Numeric	Numeric value provided in Barcode field.

**27.1.7.8.6.6 QRCodeErrorCorrection <QRCDerrCrrctn>***Presence:* [0..1]*Definition:* Error Correction mode of Quick Response Code.*Datatype:* "QRCodeErrorCorrection1Code" on page 1381

CodeName	Name	Definition
M015	ErrorCorrection15Percent	Reed-Solomon error correction 15%
Q025	ErrorCorrection25Percent	Reed-Solomon error correction 25%
H030	ErrorCorrection30Percent	Reed-Solomon error correction 30%
L007	ErrorCorrection7Percent	Reed-Solomon error correction 7%

**27.1.7.8.7 ResponseRequiredFlag <RspnReqrdFlg>***Presence:* [0..1]*Definition:* Flag to request a message response.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.7.8.8 MinimumDisplayTime <MinDispTm>***Presence:* [0..1]*Definition:* Number of seconds the message has to be displayed.*Datatype:* "Number" on page 1395

### **27.1.7.9 PointOfInteractionComponent12**

*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		1229
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		1230
	Identification <Id>	[1..1]			1231
	ItemNumber <ItmNb>	[0..1]	Text		1231
	ProviderIdentification <PrvdrlId>	[0..1]	Text		1231
	Identification <Id>	[0..1]	Text		1231
	SerialNumber <SrlNb>	[0..1]	Text		1231
	Status <Sts>	[0..1]			1231
	VersionNumber <VrsnNb>	[0..1]	Text		1232
	Status <Sts>	[0..1]	CodeSet		1232
	ExpiryDate <XpryDt>	[0..1]	Date		1232
	StandardCompliance <StdCmplc>	[0..*]			1232
	Identification <Id>	[1..1]	Text		1232
	Version <Vrsn>	[1..1]	Text		1233
	Issuer <Issr>	[1..1]	Text		1233
	Characteristics <Chrtcs>	[0..1]			1233
	Memory <Mmry>	[0..*]			1234
	Identification <Id>	[1..1]	Text		1235
	TotalSize <TtlSz>	[1..1]	Quantity		1235
	FreeSize <FreeSz>	[1..1]	Quantity		1235
	Unit <Unit>	[1..1]	CodeSet		1235
	Communication <Com>	[0..*]			1235
	CommunicationType <ComTp>	[1..1]	CodeSet		1236
	RemoteParty <RmotPty>	[1..*]	CodeSet		1237
	Active <Actv>	[1..1]	Indicator		1237
	Parameters <Params>	[0..1]	±		1237
	PhysicalInterface <PhysIntrfc>	[0..1]			1238
	InterfaceName <IntrfcNm>	[1..1]	Text		1238
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		1238
	UserName <UsrNm>	[0..1]	Text		1239
	AccessCode <AccsCd>	[0..1]	Binary		1239



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SecurityProfile <SctyPrfl>	[0..1]	Text		1239
	AdditionalParameters <AddtlParams>	[0..1]	Binary		1239
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		1240
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		1240
	SecurityElement <SctyElmt>	[0..*]	±		1240
	Assessment <Assmnt>	[0..*]			1240
	Type <Tp>	[1..1]	CodeSet		1241
	Assigner <Assgnr>	[1..*]	Text		1241
	DeliveryDate <DlvryDt>	[0..1]	DateTime		1241
	ExpirationDate <XprtnDt>	[0..1]	DateTime		1241
	Number <Nb>	[1..1]	Text		1241
	Package <Packg>	[0..*]			1242
	PackageIdentification <PackgId>	[0..1]	±		1242
	PackageLength <PackgLngh>	[0..1]	Quantity		1242
	OffsetStart <OffsetStart>	[0..1]	Quantity		1242
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		1243
	PackageBlock <PackgBlck>	[0..*]			1243
	Identification <Id>	[1..1]	Text		1243
	Value <Val>	[0..1]	Binary		1243
	ProtectedValue <PrctcdVal>	[0..1]	±		1243
	Type <Tp>	[0..1]	Text		1244

### 27.1.7.9.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of component belonging to a POI (Point Of Interaction) Terminal.

*Datatype:* "POIComponentType6Code" on page 1380

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.

CodeName	Name	Definition
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.
SAPR	SaleToPOIProtocolParameters	Parameters related to the Sale to POI protocol.
LOGF	LogFile	Any repository used for recording log traces.
MDFL	MediaFile	Media file managed by an application of the POI.
SOFT	Soft	Payment or other software application.
CONF	ConfigurationFile	Configuration file relevant for the POI.
RPFL	ReportFile	Report file generated by the POI.

#### 27.1.7.9.2 SubTypeInformation <SubTpInf>

*Presence:* [0..1]

*Definition:* Additional information regarding the type of the component.

*Datatype:* "Max70Text" on page 1400

**27.1.7.9.3 Identification <Id>***Presence:* [1..1]*Definition:* Identification of the POI (Point Of Interaction) component.**Identification <Id>** contains the following **PointOfInteractionComponentIdentification2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemNumber <ItmNb>	[0..1]	Text		1231
	ProviderIdentification <PrvdrId>	[0..1]	Text		1231
	Identification <Id>	[0..1]	Text		1231
	SerialNumber <SrlNb>	[0..1]	Text		1231

**27.1.7.9.3.1 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 1399**27.1.7.9.3.2 ProviderIdentification <PrvdrId>***Presence:* [0..1]*Definition:* Identifies the provider of the software, hardware or parameters of the POI component.*Datatype:* "Max35Text" on page 1399**27.1.7.9.3.3 Identification <Id>***Presence:* [0..1]*Definition:* Identification of the POI component assigned by its provider.*Datatype:* "Max256Text" on page 1398**27.1.7.9.3.4 SerialNumber <SrlNb>***Presence:* [0..1]*Definition:* Serial number identifying an occurrence of an hardware component.*Datatype:* "Max256Text" on page 1398**27.1.7.9.4 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		1232
	Status <Sts>	[0..1]	CodeSet		1232
	ExpiryDate <XpryDt>	[0..1]	Date		1232

#### 27.1.7.9.4.1 VersionNumber <VrsnNb>

*Presence:* [0..1]

*Definition:* Current version of the component that might include the release number.

*Datatype:* "Max256Text" on page 1398

#### 27.1.7.9.4.2 Status <Sts>

*Presence:* [0..1]

*Definition:* Current status of the component.

*Datatype:* "POIComponentStatus1Code" on page 1379

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.

#### 27.1.7.9.4.3 ExpiryDate <XpryDt>

*Presence:* [0..1]

*Definition:* Expiration date of the component.

*Datatype:* "ISODate" on page 1392

#### 27.1.7.9.5 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		1232
	Version <Vrsn>	[1..1]	Text		1233
	Issuer <Issr>	[1..1]	Text		1233

#### 27.1.7.9.5.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Proprietary information, often a code, issued by the data source scheme issuer.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.9.5.2 Version <Vrsn>**

*Presence:* [1..1]

*Definition:* Version of the identification.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.9.5.3 Issuer <Issr>**

*Presence:* [1..1]

*Definition:* Entity that assigns the identification.

*Datatype:* "Max35Text" on page 1399

#### **27.1.7.9.6 Characteristics <Chrtcs>**

*Presence:* [0..1]

*Definition:* Characteristics of a POI (Point Of Interaction) component.

**Characteristics <Chrtcs>** contains the following **PointOfInteractionComponentCharacteristics8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Memory <Mmry>	[0..*]			1234
	Identification <Id>	[1..1]	Text		1235
	TotalSize <TtlSz>	[1..1]	Quantity		1235
	FreeSize <FreeSz>	[1..1]	Quantity		1235
	Unit <Unit>	[1..1]	CodeSet		1235
	Communication <Com>	[0..*]			1235
	CommunicationType <ComTp>	[1..1]	CodeSet		1236
	RemoteParty <RmotPty>	[1..*]	CodeSet		1237
	Active <Actv>	[1..1]	Indicator		1237
	Parameters <Params>	[0..1]	±		1237
	PhysicalInterface <PhysIntrfc>	[0..1]			1238
	InterfaceName <IntrfcNm>	[1..1]	Text		1238
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		1238
	UserName <UsrNm>	[0..1]	Text		1239
	AccessCode <AccsCd>	[0..1]	Binary		1239
	SecurityProfile <SctyPrfl>	[0..1]	Text		1239
	AdditionalParameters <AddtlParams>	[0..1]	Binary		1239
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		1240
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		1240
	SecurityElement <SctyElmt>	[0..*]	±		1240

#### 27.1.7.9.6.1 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		1235
	TotalSize <TtlSz>	[1..1]	Quantity		1235
	FreeSize <FreeSz>	[1..1]	Quantity		1235
	Unit <Unit>	[1..1]	CodeSet		1235

**27.1.7.9.6.1.1 Identification <Id>***Presence:* [1..1]*Definition:* Identification or name of the memory.*Datatype:* "Max35Text" on page 1399**27.1.7.9.6.1.2 TotalSize <TtlSz>***Presence:* [1..1]*Definition:* Total size of the memory unit.*Datatype:* "DecimalNumber" on page 1394**27.1.7.9.6.1.3 FreeSize <FreeSz>***Presence:* [1..1]*Definition:* Total size of the available memory.*Datatype:* "DecimalNumber" on page 1394**27.1.7.9.6.1.4 Unit <Unit>***Presence:* [1..1]*Definition:* Memory unit of the sizes.*Datatype:* "MemoryUnit1Code" on page 1370

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.

**27.1.7.9.6.2 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 **CommunicationCharacteristics5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommunicationType <ComTp>	[1..1]	CodeSet		1236
	RemoteParty <RmotPty>	[1..*]	CodeSet		1237
	Active <Actv>	[1..1]	Indicator		1237
	Parameters <Params>	[0..1]	±		1237
	PhysicalInterface <PhysIntrfc>	[0..1]			1238
	InterfaceName <IntrfcNm>	[1..1]	Text		1238
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		1238
	UserName <UsrNm>	[0..1]	Text		1239
	AccessCode <AccsCd>	[0..1]	Binary		1239
	SecurityProfile <SctyPrfl>	[0..1]	Text		1239
	AdditionalParameters <AddtlParams>	[0..1]	Binary		1239

#### 27.1.7.9.6.2.1 CommunicationType <ComTp>

*Presence:* [1..1]

*Definition:* Type of low level communication.

*Datatype:* "POICommunicationType2Code" on page 1378

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.



CodeName	Name	Definition
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.

#### 27.1.7.9.6.2.2 RemoteParty <RmotPty>

*Presence:* [1..\*]

*Definition:* Entity that communicate with the current component, using this communication device.

*Datatype:* "PartyType7Code" on page 1377

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.

#### 27.1.7.9.6.2.3 Active <Actv>

*Presence:* [1..1]

*Definition:* Communication hardware is activated.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.7.9.6.2.4 Parameters <Params>

*Presence:* [0..1]

*Definition:* Network parameters of the communication link.

**Parameters <Params>** contains the following elements (see "[NetworkParameters7](#)" on page 1269 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			1269
	NetworkType <NtwkTp>	[1..1]	CodeSet		1269
	AddressValue <AdrVal>	[1..1]	Text		1269
	UserName <UsrNm>	[0..1]	Text		1270
	AccessCode <AccsCd>	[0..1]	Binary		1270
	ServerCertificate <SvrCert>	[0..*]	Binary		1270
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		1270
	ClientCertificate <ClntCert>	[0..*]	Binary		1270
	SecurityProfile <SctyPrfl>	[0..1]	Text		1270

#### 27.1.7.9.6.2.5 PhysicalInterface <PhysIntrfc>

*Presence:* [0..1]

*Definition:* Physical Interface used by the communication link.

**PhysicalInterface <PhysIntrfc>** contains the following **PhysicalInterfaceParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InterfaceName <IntrfcNm>	[1..1]	Text		1238
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		1238
	UserName <UsrNm>	[0..1]	Text		1239
	AccessCode <AccsCd>	[0..1]	Binary		1239
	SecurityProfile <SctyPrfl>	[0..1]	Text		1239
	AdditionalParameters <AddtlParams>	[0..1]	Binary		1239

##### 27.1.7.9.6.2.5.1 InterfaceName <IntrfcNm>

*Presence:* [1..1]

*Definition:* Identification of the interface.

*Datatype:* "[Max35Text](#)" on page 1399

##### 27.1.7.9.6.2.5.2 InterfaceType <IntrfcTp>

*Presence:* [0..1]

*Definition:* Identification of the physical link layer.

*Datatype:* "[POICommunicationType2Code](#)" on page 1378

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.

#### 27.1.7.9.6.2.5.3 UserName <UsrNm>

*Presence:* [0..1]

*Definition:* Optional user name to provide to use this interface.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.9.6.2.5.4 AccessCode <AccsCd>

*Presence:* [0..1]

*Definition:* Optional access code to provide to use this interface.

*Datatype:* "Max35Binary" on page 1339

#### 27.1.7.9.6.2.5.5 SecurityProfile <SctyPrfl>

*Presence:* [0..1]

*Definition:* Identification of the optional security profile to use with this interface.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.9.6.2.5.6 AdditionalParameters <AddtlParams>

*Presence:* [0..1]

*Definition:* Any other parameters relevant for this interface.

*Datatype:* ["Max2KBinary" on page 1338](#)

#### 27.1.7.9.6.3 SecurityAccessModules <SctyAccsMdl>

*Presence:* [0..1]

*Definition:* Number of security access modules (SAM).

*Datatype:* ["Number" on page 1395](#)

#### 27.1.7.9.6.4 SubscriberIdentityModules <SbcbrldntyMdl>

*Presence:* [0..1]

*Definition:* Number of subscriber identity modules (SIM).

*Datatype:* ["Number" on page 1395](#)

#### 27.1.7.9.6.5 SecurityElement <SctyElmt>

*Presence:* [0..\*]

*Definition:* Security characteristics of the component.

**SecurityElement <SctyElmt>** contains the following elements (see ["CryptographicKey16" on page 1310](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1311
	AdditionalIdentification <AddtlId>	[0..1]	Binary		1311
	Name <Nm>	[0..1]	Text		1311
	SecurityProfile <SctyPrfl>	[0..1]	Text		1312
	ItemNumber <ItmNb>	[0..1]	Text		1312
	Version <Vrsn>	[1..1]	Text		1312
	Type <Tp>	[0..1]	CodeSet		1312
	Function <Fctn>	[0..*]	CodeSet		1313
	ActivationDate <ActvtnDt>	[0..1]	DateTime		1313
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		1313
	KeyValue <KeyVal>	[0..1]	±		1314
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		1314
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			1314
	Name <Nm>	[1..1]	Text		1314
	Value <Val>	[0..1]	Text		1314

#### 27.1.7.9.7 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		1241
	Assigner <Assgnr>	[1..*]	Text		1241
	DeliveryDate <DlvryDt>	[0..1]	DateTime		1241
	ExpirationDate <XprtnDt>	[0..1]	DateTime		1241
	Number <Nb>	[1..1]	Text		1241

#### 27.1.7.9.7.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of assessment of the component.

*Datatype:* "POIComponentAssessment1Code" on page 1379

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.

#### 27.1.7.9.7.2 Assigner <Assgnr>

*Presence:* [1..\*]

*Definition:* Body which has delivered the assessment.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.9.7.3 DeliveryDate <DlvryDt>

*Presence:* [0..1]

*Definition:* Date when the assessment has been delivered.

*Datatype:* "ISODateTime" on page 1392

#### 27.1.7.9.7.4 ExpirationDate <XprtnDt>

*Presence:* [0..1]

*Definition:* Date when the assessment will expire.

*Datatype:* "ISODateTime" on page 1392

#### 27.1.7.9.7.5 Number <Nb>

*Presence:* [1..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1399

**27.1.7.9.8 Package <Packg>***Presence:* [0..\*]*Definition:* Chunk of a software package.**Package <Packg>** contains the following **PackageType3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PackageIdentification <PackgId>	[0..1]	±		1242
	PackageLength <PackgLngh>	[0..1]	Quantity		1242
	OffsetStart <OffsetStart>	[0..1]	Quantity		1242
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		1243
	PackageBlock <PackgBlck>	[0..*]			1243
	Identification <Id>	[1..1]	Text		1243
	Value <Val>	[0..1]	Binary		1243
	ProtectedValue <PrctcdVal>	[0..1]	±		1243
	Type <Tp>	[0..1]	Text		1244

**27.1.7.9.8.1 PackageIdentification <PackgId>***Presence:* [0..1]*Definition:* Identification of the software packages of which the chunk belongs.**PackageIdentification <PackgId>** contains the following elements (see "[GenericIdentification176](#)" on page 1100 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1100
	Type <Tp>	[0..1]	CodeSet		1101
	Issuer <Issr>	[0..1]	CodeSet		1101
	Country <Ctry>	[0..1]	Text		1102
	ShortName <ShrtNm>	[0..1]	Text		1102

**27.1.7.9.8.2 PackageLength <PackgLngh>***Presence:* [0..1]*Definition:* Full length of software package identified through PackageIdentification.*Datatype:* "[PositiveNumber](#)" on page 1395**27.1.7.9.8.3 OffsetStart <OffsetStart>***Presence:* [0..1]*Definition:* Place of the first following PackageBlock, beginning with 0, in the full software package identified through PackageIdentification.

*Datatype:* "PositiveNumber" on page 1395

#### 27.1.7.9.8.4 OffsetEnd <OffsetEnd>

*Presence:* [0..1]

*Definition:* Following place of the last following PackageBlock in the full software package identified through PackageIdentification.

*Datatype:* "PositiveNumber" on page 1395

#### 27.1.7.9.8.5 PackageBlock <PackgBlck>

*Presence:* [0..\*]

*Definition:* Consecutive slices of the full software package identified through PackageIdentification starting with first slice at the place identified with OffsetStart and ending with the last slice at the previous place identified with OffsetEnd.

**PackageBlock <PackgBlck>** contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1243
	Value <Val>	[0..1]	Binary		1243
	ProtectedValue <PrctcdVal>	[0..1]	±		1243
	Type <Tp>	[0..1]	Text		1244

##### 27.1.7.9.8.5.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the set of data to exchange.

*Datatype:* "Max1025Text" on page 1396

##### 27.1.7.9.8.5.2 Value <Val>

*Presence:* [0..1]

*Definition:* Data to exchange according to an external standard.

*Datatype:* "Max100KBinary" on page 1338

##### 27.1.7.9.8.5.3 ProtectedValue <PrctcdVal>

*Presence:* [0..1]

*Definition:* Protection of the values to exchange.

**ProtectedValue <PrctcdVal>** contains the following elements (see "[ContentInformationType30](#)" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

#### 27.1.7.9.8.5.4 Type <Tp>

*Presence:* [0..1]

*Definition:* Identification of the standard used to encode the values to exchange.

*Datatype:* "[Max1025Text](#)" on page 1396

#### 27.1.7.10 ResponseType11

*Definition:* Response of a requested service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1244
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1245
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1246

##### 27.1.7.10.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "[Response11Code](#)" on page 1382

CodeName	Name	Definition
WARN	Warning	An additional Response Code, mainly a functional one, should be considered to identify the outcome of the request.
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.



**27.1.7.10.2 ResponseReason <RspnRsn>***Presence:* [0..1]*Definition:* Detail of the response.*Datatype:* "RetailerResultDetail1Code" on page 1383

CodeName	Name	Definition
ABRT	Aborted	The Initiator of the request has sent an Abort message request, which was accepted and processed.
BUSY	Busy	The system is busy, try later.
CANC	Cancel	The user has aborted the transaction on the PED keyboard, for instance during PIN entering.
DEVO	DeviceOut	Device out of order.
WPIN	WrongPIN	The user has entered the PIN on the PED keyboard and the verification fails.
NHOS	UnreachableHost	Acquirer or any host is unreachable or has not answered to an online request, so is considered as temporary unavailable. Depending on the Sale context, the request could be repeated (to be compared with "Refusal").
UNVS	UnavailableService	The service is not available (not implemented, not configured, protocol version too old...).
UNVD	UnavailableDevice	The hardware is not available (absent, not configured...).
REFU	Refusal	The transaction is refused by the host or by the local rules associated to the card or the POI.
PAYR	PaymentRestriction	Some sale items are not payable by the card proposed by the Customer.
TNFD	NotFound	The transaction is not found (e.g. for a reversal or a repeat).
NALW	NotAllowed	A service request is sent during a Service dialogue. A combination of services not possible to provide. During the DeviceInitialisationCardReader message processing, the user has entered a card which has to be protected by the POI, and cannot be processed with this device request from the external, and then the Sale System.
LOUT	LoggedOut	Not logged in.
IVCA	InvalidCard	The card entered by the Customer cannot be processed by the POI because this card is not configured in the system.
ICAR	InsertedCard	If the Input Device request a NotifyCardInputFlag and the Customer enters a card in the card reader without answers to the Input command, the POI

CodeName	Name	Definition
		abort the Input command processing, and answer a dedicated ErrorCondition value in the Input response message.
WIPG	InProgress	The transaction is still in progress and then the command cannot be processed.

### 27.1.7.10.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1397

### 27.1.7.11 CustomerDevice3

*Definition:* Device used by the customer to perform the payment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1246
	Type <Tp>	[0..1]	Text		1246
	Provider <Prvdr>	[0..1]	Text		1246

#### 27.1.7.11.1 Identification <Id>

*Presence:* [0..1]

*Definition:* Identifier of the component.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.11.2 Type <Tp>

*Presence:* [0..1]

*Definition:* Type of component.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.11.3 Provider <Prvdr>

*Presence:* [0..1]

*Definition:* Provider of the component.

*Datatype:* "Max35Text" on page 1399

### 27.1.7.12 CustomerOrder1

*Definition:* Customer order attached to a customer, recorded in the POI system.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlId>	[1..1]	Text		1247
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		1247
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		1247
	StartDate <StartDt>	[1..1]	DateTime		1247
	EndDate <EndDt>	[0..1]	DateTime		1247
	Unit <Unit>	[0..1]	CodeSet		1248
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		1248
	CurrentAmount <CurAmt>	[0..1]	Amount		1248
	Currency <Ccy>	[0..1]	CodeSet	C1	1248
	AccessedBy <AccsdBy>	[0..1]	Text		1248
	AdditionalInformation <AddtlInf>	[0..1]	Text		1248

#### 27.1.7.12.1 CustomerOrderIdentification <CstmrOrdrlId>

*Presence:* [1..1]

*Definition:* Identification of a customer order.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.12.2 SaleReferenceIdentification <SaleRefId>

*Presence:* [1..1]

*Definition:* Identification of a Sale transaction for a sequence of related POI transactions.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.12.3 OpenOrderState <OpnOrdStat>

*Presence:* [0..1]

*Definition:* Specifies if a customer order is currently open.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### 27.1.7.12.4 StartDate <StartDt>

*Presence:* [1..1]

*Definition:* Date time of the beginning of an operation.

*Datatype:* "ISODateTime" on page 1392

#### 27.1.7.12.5 EndDate <EndDt>

*Presence:* [0..1]

*Definition:* Date time of the end of an operation.

*Datatype:* "ISODateTime" on page 1392

#### 27.1.7.12.6 Unit <Unit>

*Presence:* [0..1]

*Definition:* Unit of amount.

*Datatype:* "AmountUnit1Code" on page 1349

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

#### 27.1.7.12.7 ForecastedAmount <FrcstdAmt>

*Presence:* [1..1]

*Definition:* Initial or global amount of the order.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.12.8 CurrentAmount <CurAmt>

*Presence:* [0..1]

*Definition:* Total amount of all completed transactions of a customer order.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.12.9 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency of monetary amount.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1341

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

#### 27.1.7.12.10 AccessedBy <AccsdBy>

*Presence:* [0..1]

*Definition:* Identification of an entity accessing data to perform an operation.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.12.11 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Unqualified information related to customer order.

*Datatype:* "Max1025Text" on page 1396

### 27.1.7.13 PointOfInteractionCapabilities9

*Definition:* Capabilities of the POI (Point Of Interaction) performing the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		1249
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		1250
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1250
	ApprovalCodeLength <ApprvICdLngh>	[0..1]	Quantity		1251
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		1251
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1251
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		1251
	MessageCapabilities <MsgCpblties>	[0..*]			1251
	Destination <Dstn>	[1..*]	CodeSet		1252
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1252
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1252
	LineWidth <LineWidth>	[0..1]	Quantity		1252
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	1253

#### 27.1.7.13.1 CardReadingCapabilities <CardRdngCpblties>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the POI (Point Of Interaction) performing the transaction.

*Datatype:* "CardDataReading8Code" on page 1355

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.

CodeName	Name	Definition
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.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

### 27.1.7.13.2 CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>

*Presence:* [0..\*]

*Definition:* Cardholder verification capabilities of the POI (Point Of Interaction) performing the transaction.

*Datatype:* "CardholderVerificationCapability4Code" on page 1356

CodeName	Name	Definition
APKI	AccountDigitalSignature	Account based digital signature.
CHDT	CardholderData	Cardholder authentication data.
MNSG	ManualSignature	Manual signature verification.
MNVR	ManualVerification	Other manual verification, for example passport or drivers license.
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).
NPIN	OnLinePIN	Online PIN (Personal Identification Number).
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature.
SCEC	SecureElectronicCommerce	Three domain secure (three domain secure authentication of the cardholder).
NBIO	OnLineBiometrics	Online biometrics.
NOVF	NoCapabilities	No cardholder verification capability.
OTHR	Other	Other cardholder verification capabilities.

### 27.1.7.13.3 PINLengthCapabilities <PINLnghCpblties>

*Presence:* [0..1]

*Definition:* Maximum number of digits the POI is able to accept when the cardholder enters its PIN.

*Datatype:* "PositiveNumber" on page 1395

#### **27.1.7.13.4 ApprovalCodeLength <ApprvlCdLngh>**

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the POI is able to manage.

*Datatype:* "PositiveNumber" on page 1395

#### **27.1.7.13.5 MaxScriptLength <MxScrpLngh>**

*Presence:* [0..1]

*Definition:* Maximum data length in bytes that a card issuer can return to the ICC at the terminal.

*Datatype:* "PositiveNumber" on page 1395

#### **27.1.7.13.6 CardCaptureCapable <CardCaptrCpbl>**

*Presence:* [0..1]

*Definition:* True if the POI is able to capture card.

*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

#### **27.1.7.13.7 OnLineCapabilities <OnLineCpblties>**

*Presence:* [0..1]

*Definition:* On-line and off-line capabilities of the POI (Point Of Interaction).

*Datatype:* "OnLineCapability1Code" on page 1373

CodeName	Name	Definition
OFLN	OffLine	Off-line only capable.
ONLN	OnLine	On-line only capable.
SMON	SemiOffLine	Off-line capable with possible on-line requests to the acquirer.

#### **27.1.7.13.8 MessageCapabilities <MsgCpblties>**

*Presence:* [0..\*]

*Definition:* Capabilities of the terminal to display or print message to the cardholder and the merchant.

**MessageCapabilities <MsgCpblties>** contains the following **DisplayCapabilities4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstn>	[1..*]	CodeSet		1252
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1252
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1252
	LineWidth <LineWidth>	[0..1]	Quantity		1252
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	1253

#### 27.1.7.13.8.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface4Code" on page 1391

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.

#### 27.1.7.13.8.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1375

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.

#### 27.1.7.13.8.3 NumberOfLines <NbOfLines>

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1395

#### 27.1.7.13.8.4 LineWidth <LineWidth>

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.



*Datatype:* "Number" on page 1395

#### 27.1.7.13.8.5 AvailableLanguage <AvlblLang>

*Presence:* [0..\*]

*Definition:* Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "LanguageCode" on page 1369

#### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

#### 27.1.7.14 AggregationTransaction3

*Definition:* Payment transaction with an aggregated amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		1253
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		1253
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		1253
	IndividualPayment <IndvPmt>	[0..*]			1254
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Labl>	[0..1]	Text		1255

##### 27.1.7.14.1 FirstPaymentDateTime <FrstPmtDtTm>

*Presence:* [0..1]

*Definition:* Date and time of the first payment.

*Datatype:* "ISODatetime" on page 1392

##### 27.1.7.14.2 LastPaymentDateTime <LastPmtDtTm>

*Presence:* [0..1]

*Definition:* Date and time of the last payment.

*Datatype:* "ISODatetime" on page 1392

##### 27.1.7.14.3 NumberOfPayments <NbOfPmts>

*Presence:* [0..1]

*Definition:* Total number of payments that has been aggregated.

*Datatype:* "Number" on page 1395

#### 27.1.7.14.4 IndividualPayment <IndvPmt>

*Presence:* [0..\*]

*Definition:* Individual payment that has been aggregated.

**IndividualPayment <IndvPmt>** contains the following **DetailedAmount21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1254
	DateTime <DtTm>	[1..1]	DateTime		1254
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1254
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1255
	Label <Labl>	[0..1]	Text		1255

##### 27.1.7.14.4.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

##### 27.1.7.14.4.2 DateTime <DtTm>

*Presence:* [1..1]

*Definition:* Date and time of the payment.

*Datatype:* "ISODateTime" on page 1392

##### 27.1.7.14.4.3 CardDataEntryMode <CardDataNtryMd>

*Presence:* [0..1]

*Definition:* Card data entry mode for the related payment.

*Datatype:* "CardDataReading8Code" on page 1355

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.

CodeName	Name	Definition
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.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

#### 27.1.7.14.4.4 ICCRelatedData <ICCRItldData>

*Presence:* [0..1]

*Definition:* Data of an integrated circuit card application for the related payment.

*Datatype:* "Max10000Binary" on page 1338

#### 27.1.7.14.4.5 Label <Labl>

*Presence:* [0..1]

*Definition:* Short description of the amount to display or print.

*Datatype:* "Max140Text" on page 1397

#### 27.1.7.15 Product6

*Definition:* Purchased item.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		1256
	ProductCode <PdctCd>	[1..1]	Text		1256
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1256
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1256
	ProductQuantity <PdctQty>	[0..1]	Quantity		1258
	UnitPrice <UnitPric>	[0..1]	Amount		1258
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		1258
	ProductAmount <PdctAmt>	[1..1]	Amount		1259
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		1259
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		1259
	TaxType <TaxTp>	[0..1]	Text		1259
	ProductDescription <PdctDesc>	[0..1]	Text		1259
	DeliveryLocation <DlrvyLctn>	[0..1]	Text		1259
	DeliveryService <DlrvySvc>	[0..1]	CodeSet		1259
	SaleChannel <SaleChanl>	[0..1]	Text		1260
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		1260

#### 27.1.7.15.1 ItemIdentification <ItmId>

*Presence:* [0..1]

*Definition:* Identification of the item inside the purchase transaction.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.15.2 ProductCode <PdctCd>

*Presence:* [1..1]

*Definition:* Product code of the item.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.15.3 AdditionalProductCode <AddtlPdctCd>

*Presence:* [0..1]

*Definition:* Additional product code related to the product.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.15.4 UnitOfMeasure <UnitOfMeasr>

*Presence:* [0..1]

*Definition:* Unit of measure of the item purchased.

*Datatype:* "UnitOfMeasure6Code" on page 1389

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.
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.

CodeName	Name	Definition
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.
KWHO	KilowattHours	Unit of measure that is equal to the power consumption of one kilowatt during one hour.
DGEU	DieselGallonEquivalent	Amount of fuel alternative equal to one gallon of diesel.
GGEU	GasolineGallonEquivalent	Amount of fuel alternative equal to one gallon of gasoline.

#### 27.1.7.15.5 ProductQuantity <PdctQty>

*Presence:* [0..1]

*Definition:* Product quantity.

*Datatype:* "DecimalNumber" on page 1394

#### 27.1.7.15.6 UnitPrice <UnitPric>

*Presence:* [0..1]

*Definition:* Price per unit of product.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

#### 27.1.7.15.7 UnitPriceSign <UnitPricSgn>

*Presence:* [0..1]

*Definition:* Sign of the unit price.

*Datatype:* One of the following values must be used (see "PlusOrMinusIndicator" on page 1394):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

**27.1.7.15.8 ProductAmount <PdctAmt>**

*Presence:* [1..1]

*Definition:* Monetary value of purchased product.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.7.15.9 ProductAmountSign <PdctAmtSgn>**

*Presence:* [0..1]

*Definition:* Sign of the product amount.

*Datatype:* One of the following values must be used (see "PlusOrMinusIndicator" on page 1394):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

**27.1.7.15.10 ValueAddedTax <ValAddedTax>**

*Presence:* [0..1]

*Definition:* Value added tax amount of the item included in the product amount.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1337

**27.1.7.15.11 TaxType <TaxTp>**

*Presence:* [0..1]

*Definition:* Information on tax paid on the product.

*Datatype:* "Max35Text" on page 1399

**27.1.7.15.12 ProductDescription <PdctDesc>**

*Presence:* [0..1]

*Definition:* Description of the product or item.

*Datatype:* "Max140Text" on page 1397

**27.1.7.15.13 DeliveryLocation <DlvryLctn>**

*Presence:* [0..1]

*Definition:* Location of the delivery of the item, for instance pump number or parking bay.

*Datatype:* "Max10Text" on page 1396

**27.1.7.15.14 DeliveryService <DlvrySvc>**

*Presence:* [0..1]

*Definition:* Identify the method of delivery or distribution of the item.

*Datatype:* "AttendanceContext2Code" on page 1349

CodeName	Name	Definition
ATTL	AttendantDelivery	Delivery by an attendant.
CARR	CarrierDelivery	Delivery by a carrier.
CUST	CustomerDelivery	Delivery by the customer.
FULL	FullServe	Full service for fuel distribution.
SELF	SelfServe	Self service for fuel distribution.

#### 27.1.7.15.15 SaleChannel <SaleChanl>

*Presence:* [0..1]

*Definition:* Commercial or distribution channel associated to the line item.

*Datatype:* "Max70Text" on page 1400

#### 27.1.7.15.16 AdditionalProductDescription <AddtlPdctDesc>

*Presence:* [0..1]

*Definition:* Additional information related to the line item.

*Datatype:* "Max256Text" on page 1398

#### 27.1.7.16 Vehicle1

*Definition:* Information related to a vehicle used during a transaction.



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VehicleNumber <VhclNb>	[0..1]	Text		1261
	TrailerNumber <TrlrNb>	[0..1]	Text		1261
	VehicleTag <VhclTag>	[0..1]	Text		1262
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		1262
	UnitNumber <UnitNb>	[0..1]	Text		1262
	ReplacementCar <RplcmntCar>	[0..1]	Indicator		1262
	Odometer <Odmttr>	[0..1]	Quantity		1262
	Hubometer <Hbmtr>	[0..1]	Quantity		1263
	TrailerHours <TrlrHrs>	[0..1]	Text		1263
	ReferHours <RefrHrs>	[0..1]	Text		1263
	Maintenanceldentification <Mntncld>	[0..1]	Text		1263
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			1263
	PAN <PAN>	[0..1]	Text		1263
	Track1 <Trck1>	[0..1]	Text		1264
	Track2 <Trck2>	[0..1]	Text		1264
	Track3 <Trck3>	[0..1]	Text		1264
	AdditionalCardData <AddtlCardData>	[0..*]	Text		1264
	EntryMode <NtryMd>	[0..1]	CodeSet		1264
	AdditionalVehicleData <AddtlVhclData>	[0..*]			1265
	Type <Tp>	[0..1]	Text		1265
	EntryMode <NtryMd>	[0..1]	CodeSet		1265
	Data <Data>	[1..1]	Text		1266

#### 27.1.7.16.1 VehicleNumber <VhclNb>

*Presence:* [0..1]

*Definition:* Number assigned to the vehicle for identification.

*Datatype:* "Max35NumericText" on page 1399

#### 27.1.7.16.2 TrailerNumber <TrlrNb>

*Presence:* [0..1]

*Definition:* Number assigned to the vehicle trailer for identification.

*Datatype:* "Max35NumericText" on page 1399

**27.1.7.16.3 VehicleTag <VhclTag>***Presence:* [0..1]*Definition:* Registration tag of the vehicle.*Datatype:* "Max35Text" on page 1399**27.1.7.16.4 VehicleTagEntryMode <VhclTagNtryMd>***Presence:* [0..1]*Definition:* Entry mode of the registration tag.*Datatype:* "CardDataReading5Code" on page 1355

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.

**27.1.7.16.5 UnitNumber <UnitNb>***Presence:* [0..1]*Definition:* Identification of the vehicle in the fleet.*Datatype:* "Max35NumericText" on page 1399**27.1.7.16.6 ReplacementCar <RpIcmntCar>***Presence:* [0..1]*Definition:* True if the car is a replacement car.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.7.16.7 Odometer <Odmtr>***Presence:* [0..1]*Definition:* Odometer reading value indicating the distance travelled by the vehicle.

*Datatype:* "DecimalNumber" on page 1394

#### 27.1.7.16.8 Hubometer <Hbmtr>

*Presence:* [0..1]

*Definition:* Hubometer reading value indicating the distance travelled by the trailer.

*Datatype:* "DecimalNumber" on page 1394

#### 27.1.7.16.9 TrailerHours <TrlrHrs>

*Presence:* [0..1]

*Definition:* Number of hours the trailer has been in operation.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.16.10 ReferHours <RefrHrs>

*Presence:* [0..1]

*Definition:* Number of hours the refer unit has been in operation.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.16.11 MaintenanceIdentification <Mntncld>

*Presence:* [0..1]

*Definition:* Identification assigned to the vehicle related to maintenance.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.16.12 DriverOrVehicleCard <DrvrOrVhclCard>

*Presence:* [0..1]

*Definition:* Second card presented for the payment transaction.

**DriverOrVehicleCard <DrvrOrVhclCard>** contains the following **PlainCardData17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1263
	Track1 <Trck1>	[0..1]	Text		1264
	Track2 <Trck2>	[0..1]	Text		1264
	Track3 <Trck3>	[0..1]	Text		1264
	AdditionalCardData <AddtlCardData>	[0..*]	Text		1264
	EntryMode <NtryMd>	[0..1]	CodeSet		1264

##### 27.1.7.16.12.1 PAN <PAN>

*Presence:* [0..1]

*Definition:* Primary Account Number (PAN) of the card.

*Datatype:* "Min8Max28NumericText" on page 1402

**27.1.7.16.12.2 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 is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

*Datatype:* "Max76Text" on page 1400

**27.1.7.16.12.3 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 content is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

*Datatype:* "Max37Text" on page 1399

**27.1.7.16.12.4 Track3 <Trck3>**

*Presence:* [0..1]

*Definition:* ISO track 3 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 4909, removing beginning and ending sentinels and longitudinal redundancy check characters.

*Datatype:* "Max104Text" on page 1396

**27.1.7.16.12.5 AdditionalCardData <AddtlCardData>**

*Presence:* [0..\*]

*Definition:* Additional card issuer specific data.

*Datatype:* "Max35Text" on page 1399

**27.1.7.16.12.6 EntryMode <NtryMd>**

*Presence:* [0..1]

*Definition:* Entry mode of the card.

*Datatype:* "CardDataReading5Code" on page 1355

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

CodeName	Name	Definition
		(standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.

### 27.1.7.16.13 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		1265
	EntryMode <NtryMd>	[0..1]	CodeSet		1265
	Data <Data>	[1..1]	Text		1266

#### 27.1.7.16.13.1 Type <Tp>

*Presence:* [0..1]

*Definition:* Type of information related to the vehicle.

*Datatype:* "Max35Text" on page 1399

#### 27.1.7.16.13.2 EntryMode <NtryMd>

*Presence:* [0..1]

*Definition:* Entry mode of the information.

*Datatype:* "CardDataReading5Code" on page 1355

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.

**27.1.7.16.13.3 Data <Data>***Presence:* [1..1]*Definition:* Information related to the vehicle.*Datatype:* "Max35Text" on page 1399**27.1.7.17 EncapsulatedContent3***Definition:* Data to authenticate.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1266
	Content <Cntt>	[0..1]	Binary		1266

**27.1.7.17.1 ContentType <CnttTp>***Presence:* [1..1]*Definition:* Type of data which have been authenticated.*Datatype:* "ContentType2Code" on page 1360

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).

**27.1.7.17.2 Content <Cntt>***Presence:* [0..1]*Definition:* Actual data to authenticate.*Datatype:* "Max100KBinary" on page 1338**27.1.7.18 TransactionIdentifier1***Definition:* Identification of the transaction in an unambiguous way.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1267
	TransactionReference <TxRef>	[1..1]	Text		1267

**27.1.7.18.1 TransactionDateTime <TxDtTm>***Presence:* [1..1]*Definition:* Local date and time of the transaction assigned by the POI (Point Of Interaction).*Datatype:* "ISODateTime" on page 1392**27.1.7.18.2 TransactionReference <TxRef>***Presence:* [1..1]*Definition:* Identification of the transaction that has to be unique for a time period.*Datatype:* "Max35Text" on page 1399**27.1.8 Monitoring****27.1.8.1 Traceability8***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]	±		1267
	ProtocolName <PrtcolNm>	[0..1]	Text		1268
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1268
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		1268
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1268

**27.1.8.1.1 RelayIdentification <RlayId>***Presence:* [1..1]*Definition:* Identification of a partner of a message exchange.

**RelayIdentification <RlayId>** contains the following elements (see "[GenericIdentification177](#)" on page 1096 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1096
	Type <Tp>	[0..1]	CodeSet		1096
	Issuer <Issr>	[0..1]	CodeSet		1097
	Country <Ctry>	[0..1]	Text		1098
	ShortName <ShrtNm>	[0..1]	Text		1098
	RemoteAccess <RmotAccs>	[0..1]	±		1098
	Geolocation <Glctn>	[0..1]			1098
	GeographicCoordinates <GeogcCordints>	[0..1]			1099
	Latitude <Lat>	[1..1]	Text		1099
	Longitude <Long>	[1..1]	Text		1099
	UTMCoordinates <UTMCordints>	[0..1]			1099
	UTMZone <UTMZone>	[1..1]	Text		1100
	UTMEastward <UTMEstwr>	[1..1]	Text		1100
	UTMNorthward <UTMNrthwr>	[1..1]	Text		1100

#### 27.1.8.1.2 ProtocolName <PrtcolNm>

*Presence:* [0..1]

*Definition:* Name of the outgoing protocol used by the node.

*Datatype:* "[Max35Text](#)" on page 1399

#### 27.1.8.1.3 ProtocolVersion <PrtcolVrsn>

*Presence:* [0..1]

*Definition:* Version of the protocol.

*Datatype:* "[Max6Text](#)" on page 1400

#### 27.1.8.1.4 TraceDateTimeln <TracDtTmln>

*Presence:* [1..1]

*Definition:* Date and time of incoming data exchange for relaying or processing.

*Datatype:* "[ISODateTime](#)" on page 1392

#### 27.1.8.1.5 TraceDateTimeOut <TracDtTmOut>

*Presence:* [1..1]

*Definition:* Date and time of the outgoing exchange for relaying or processing.

*Datatype:* "[ISODateTime](#)" on page 1392



## 27.1.9 Network Access

### 27.1.9.1 NetworkParameters7

*Definition:* Parameters to communicate with a host.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			1269
	NetworkType <NtwkTp>	[1..1]	CodeSet		1269
	AddressValue <AdrVal>	[1..1]	Text		1269
	UserName <UsrNm>	[0..1]	Text		1270
	AccessCode <AccsCd>	[0..1]	Binary		1270
	ServerCertificate <SvrCert>	[0..*]	Binary		1270
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		1270
	ClientCertificate <CIntCert>	[0..*]	Binary		1270
	SecurityProfile <SctyPrfl>	[0..1]	Text		1270

#### 27.1.9.1.1 Address <Adr>

*Presence:* [1..\*]

*Definition:* Network addresses of the host.

**Address <Adr>** contains the following **NetworkParameters9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NetworkType <NtwkTp>	[1..1]	CodeSet		1269
	AddressValue <AdrVal>	[1..1]	Text		1269

##### 27.1.9.1.1.1 NetworkType <NtwkTp>

*Presence:* [1..1]

*Definition:* Type of communication network.

*Datatype:* "NetworkType1Code" on page 1372

CodeName	Name	Definition
IPNW	InternetProtocol	Protocol of an IP network.
PSTN	PublicTelephone	Protocol of a Public Switched Telephone Network (PSTN).

##### 27.1.9.1.1.2 AddressValue <AdrVal>

*Presence:* [1..1]

*Definition:* Value of the address. The value of an internet protocol address contains the IP address or the DNS (Domain Name Server) address, followed by the character ':' and the port number if the

default port is not used. The value of a public telephone address contains the phone number with possible prefix and extensions.

*Datatype:* "Max500Text" on page 1400

#### **27.1.9.1.2 UserName <UsrNm>**

*Presence:* [0..1]

*Definition:* User name identifying the client.

*Datatype:* "Max35Text" on page 1399

#### **27.1.9.1.3 AccessCode <AccsCd>**

*Presence:* [0..1]

*Definition:* Password authenticating the client.

*Datatype:* "Max35Binary" on page 1339

#### **27.1.9.1.4 ServerCertificate <SvrCert>**

*Presence:* [0..\*]

*Definition:* X.509 Certificate required to authenticate the server.

*Datatype:* "Max10KBinary" on page 1338

#### **27.1.9.1.5 ServerCertificateIdentifier <SvrCertIdr>**

*Presence:* [0..\*]

*Definition:* Identification of the X.509 Certificates required to authenticate the server, for instance a digest of the certificate.

*Datatype:* "Max140Binary" on page 1338

#### **27.1.9.1.6 ClientCertificate <ClntCert>**

*Presence:* [0..\*]

*Definition:* X.509 Certificate required to authenticate the client.

*Datatype:* "Max10KBinary" on page 1338

#### **27.1.9.1.7 SecurityProfile <SctyPrfl>**

*Presence:* [0..1]

*Definition:* Identification of the set of security elements to access the host.

*Datatype:* "Max35Text" on page 1399

## **27.1.10 Postal Address**

### **27.1.10.1 PostalAddress1**

*Definition:* Information that locates and identifies a specific address, as defined by postal services.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1271
	AddressLine <AdrLine>	[0..5]	Text		1271
	StreetName <StrtNm>	[0..1]	Text		1271
	BuildingNumber <BldgNb>	[0..1]	Text		1271
	PostCode <PstCd>	[0..1]	Text		1272
	TownName <TwnNm>	[0..1]	Text		1272
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1272
	Country <Ctry>	[1..1]	CodeSet	C3	1272

#### 27.1.10.1.1 AddressType <AdrTp>

*Presence:* [0..1]

*Definition:* Identifies the nature of the postal address.

*Datatype:* "AddressType2Code" on page 1341

CodeName	Name	Definition
ADDR	Postal	Address is the complete postal address.
PBOX	POBox	Address is a postal office (PO) box.
HOME	Residential	Address is the home address.
BIZZ	Business	Address is the business address.
MLTO	MailTo	Address is the address to which mail is sent.
DLVY	DeliveryTo	Address is the address to which delivery is to take place.

#### 27.1.10.1.2 AddressLine <AdrLine>

*Presence:* [0..5]

*Definition:* Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

*Datatype:* "Max70Text" on page 1400

#### 27.1.10.1.3 StreetName <StrtNm>

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1400

#### 27.1.10.1.4 BuildingNumber <BldgNb>

*Presence:* [0..1]

*Definition:* Number that identifies the position of a building on a street.

*Datatype:* "Max16Text" on page 1397

#### **27.1.10.1.5 PostCode <PstCd>**

*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 1397

#### **27.1.10.1.6 TownName <TwnNm>**

*Presence:* [0..1]

*Definition:* Name of a built-up area, with defined boundaries, and a local government.

*Datatype:* "Max35Text" on page 1399

#### **27.1.10.1.7 CountrySubDivision <CtrySubDvsn>**

*Presence:* [0..1]

*Definition:* Identifies a subdivision of a country for example, state, region, county.

*Datatype:* "Max35Text" on page 1399

#### **27.1.10.1.8 Country <Ctry>**

*Presence:* [1..1]

*Definition:* Nation with its own government.

*Impacted by:* C3 "Country"

*Datatype:* "CountryCode" on page 1361

##### **Constraints**

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

#### **27.1.10.2 PostalAddress22**

*Definition:* Information that locates and identifies a specific address, as defined by postal services.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1273
	Department <Dept>	[0..1]	Text		1273
	SubDepartment <SubDept>	[0..1]	Text		1273
	AddressLine <AdrLine>	[0..2]	Text		1273
	StreetName <StrtNm>	[0..1]	Text		1274
	BuildingNumber <BldgNb>	[0..1]	Text		1274
	PostCode <PstCd>	[0..1]	Text		1274
	TownName <TwnNm>	[0..1]	Text		1274
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1274
	CountryCode <CtryCd>	[0..1]	Text		1274

#### 27.1.10.2.1 AddressType <AdrTp>

*Presence:* [0..1]

*Definition:* Identifies the nature of the postal address.

*Datatype:* "AddressType2Code" on page 1341

CodeName	Name	Definition
ADDR	Postal	Address is the complete postal address.
PBOX	POBox	Address is a postal office (PO) box.
HOME	Residential	Address is the home address.
BIZZ	Business	Address is the business address.
MLTO	MailTo	Address is the address to which mail is sent.
DLVY	DeliveryTo	Address is the address to which delivery is to take place.

#### 27.1.10.2.2 Department <Dept>

*Presence:* [0..1]

*Definition:* Identification of a division of a large organisation or building.

*Datatype:* "Max70Text" on page 1400

#### 27.1.10.2.3 SubDepartment <SubDept>

*Presence:* [0..1]

*Definition:* Identification of a sub-division of a large organisation or building.

*Datatype:* "Max70Text" on page 1400

#### 27.1.10.2.4 AddressLine <AdrLine>

*Presence:* [0..2]

*Definition:* Information that locates and identifies a specific address, as defined by postal services, presented in free format text.

*Datatype:* "Max70Text" on page 1400

#### **27.1.10.2.5 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1400

#### **27.1.10.2.6 BuildingNumber <BldgNb>**

*Presence:* [0..1]

*Definition:* Number that identifies the position of a building on a street.

*Datatype:* "Max16Text" on page 1397

#### **27.1.10.2.7 PostCode <PstCd>**

*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 1397

#### **27.1.10.2.8 TownName <TwnNm>**

*Presence:* [0..1]

*Definition:* Name of a built-up area, with defined boundaries, and a local government.

*Datatype:* "Max70Text" on page 1400

#### **27.1.10.2.9 CountrySubDivision <CtrySubDvsn>**

*Presence:* [0..2]

*Definition:* Identifies a subdivision of a country such as state, region, county.

*Datatype:* "Max35Text" on page 1399

#### **27.1.10.2.10 CountryCode <CtryCd>**

*Presence:* [0..1]

*Definition:* Nation with its own government.

*Datatype:* "Min2Max3AlphaText" on page 1401

### **27.1.11 Secure Element**

#### **27.1.11.1 DigestedData5**

*Definition:* Digest computed on the identified data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1275
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1275
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1275
	Digest <Dgst>	[1..1]	Binary		1275

#### 27.1.11.1.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1395

#### 27.1.11.1.2 DigestAlgorithm <DgstAlgo>

*Presence:* [1..1]

*Definition:* Identification of the digest algorithm.

**DigestAlgorithm <DgstAlgo>** contains the following elements (see "AlgorithmIdentification21" on page 1326 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1326

#### 27.1.11.1.3 EncapsulatedContent <NcpsltdCntt>

*Presence:* [1..1]

*Definition:* Data on which the digest is computed.

**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "EncapsulatedContent3" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1266
	Content <Cntt>	[0..1]	Binary		1266

#### 27.1.11.1.4 Digest <Dgst>

*Presence:* [1..1]

*Definition:* Result of data-digesting process.

*Datatype:* "Max140Binary" on page 1338

#### 27.1.11.2 AuthenticatedData8

*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		1276
	Recipient <Rcpt>	[1..*]			1276
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1277
	Version <Vrsn>	[0..1]	Quantity		1278
	RecipientIdentification <RcptId>	[1..1]			1278
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1278
	Issuer <Issr>	[1..1]			1279
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1279
	AttributeType <AttrTp>	[1..1]	CodeSet		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280
	SerialNumber <SrlNb>	[1..1]	Binary		1280
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1280
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1280
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1281
Or	KEK <KEK>	[1..1]			1281
	Version <Vrsn>	[0..1]	Quantity		1281
	KEKIdentification <KEKId>	[1..1]	±		1281
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1282
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1282
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1282
	MACAlgorithm <MACAlgo>	[1..1]	±		1283
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1283
	MAC <MAC>	[1..1]	Binary		1283

#### 27.1.11.2.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1395

#### 27.1.11.2.2 Recipient <Rcpt>

*Presence:* [1..\*]

*Definition:* Session key or protection key identification used by the recipient.



**Recipient <Rcpt>** contains one of the following **Recipient11Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1277
	Version <Vrsn>	[0..1]	Quantity		1278
	RecipientIdentification <RcptId>	[1..1]			1278
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1278
	Issuer <Issr>	[1..1]			1279
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1279
	AttributeType <AttrTp>	[1..1]	CodeSet		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280
	SerialNumber <SrlNb>	[1..1]	Binary		1280
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1280
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1280
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1281
Or	KEK <KEK>	[1..1]			1281
	Version <Vrsn>	[0..1]	Quantity		1281
	KEKIdentification <KEKId>	[1..1]	±		1281
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1282
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1282
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1282

#### 27.1.11.2.2.1 KeyTransport <KeyTrnsprt>

*Presence:* [1..1]

*Definition:* Encryption key using previously distributed asymmetric public key.

**KeyTransport <KeyTrnsprt>** contains the following **KeyTransport8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1278
	RecipientIdentification <Rcptld>	[1..1]			1278
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1278
	Issuer <Issr>	[1..1]			1279
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1279
	AttributeType <AttrTp>	[1..1]	CodeSet		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280
	SerialNumber <SrlNb>	[1..1]	Binary		1280
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1280
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1280
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1281

#### 27.1.11.2.2.1.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1395

#### 27.1.11.2.2.1.2 RecipientIdentification <Rcptld>

*Presence:* [1..1]

*Definition:* Identification of a cryptographic asymmetric key for the recipient.

**RecipientIdentification <Rcptld>** contains one of the following **Recipient12Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1278
	Issuer <Issr>	[1..1]			1279
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1279
	AttributeType <AttrTp>	[1..1]	CodeSet		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280
	SerialNumber <SrlNb>	[1..1]	Binary		1280
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1280

#### 27.1.11.2.2.1.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

*Presence:* [1..1]

*Definition:* Certificate issuer name and serial number (see ITU X.509).

**IssuerAndSerialNumber <IssrAndSrInb>** contains the following **IssuerAndSerialNumber2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			1279
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1279
	AttributeType <AttrTp>	[1..1]	CodeSet		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280
	SerialNumber <SrInb>	[1..1]	Binary		1280

#### 27.1.11.2.2.1.2.1.1 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..*]			1279
	AttributeType <AttrTp>	[1..1]	CodeSet		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280

#### 27.1.11.2.2.1.2.1.1.1 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		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280

#### 27.1.11.2.2.1.2.1.1.1.1 AttributeType <AttrTp>

*Presence:* [1..1]

*Definition:* Type of attribute of a distinguished name (see X.500).

*Datatype:* "AttributeType1Code" on page 1350

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).

#### 27.1.11.2.2.1.2.1.1.2 AttributeValue <AttrVal>

*Presence:* [1..1]

*Definition:* Value of the attribute of a distinguished name (see X.500).

*Datatype:* "Max140Text" on page 1397

#### 27.1.11.2.2.1.2.1.2 SerialNumber <SrlNb>

*Presence:* [1..1]

*Definition:* Certificate serial number (see X.509).

*Datatype:* "Max500Binary" on page 1339

#### 27.1.11.2.2.1.2.2 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 "KEKIdentifier7" on page 855 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		855
	KeyVersion <KeyVrsn>	[1..1]	Text		855
	SequenceNumber <SeqNb>	[0..1]	Quantity		855
	DerivationIdentification <DerivtnId>	[0..1]	Binary		855

#### 27.1.11.2.2.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

*Presence:* [1..1]

*Definition:* Algorithm to encrypt the key encryption key (KEK).

**KeyEncryptionAlgorithm <KeyNcrptnAlgo>** contains the following elements (see "AlgorithmIdentification19" on page 1327 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1327
	Parameter <Param>	[0..1]			1327
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1328
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1328
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		1329

#### 27.1.11.2.2.1.4 EncryptedKey <NcrptdKey>

*Presence:* [1..1]

*Definition:* Encrypted key encryption key (KEK).

*Datatype:* "Max5000Binary" on page 1339

#### 27.1.11.2.2.2 KEK <KEK>

*Presence:* [1..1]

*Definition:* Key encryption key using previously distributed symmetric key.

**KEK <KEK>** contains the following **KEK8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1281
	KEKIdentification <KEKId>	[1..1]	±		1281
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1282
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1282

##### 27.1.11.2.2.2.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1395

##### 27.1.11.2.2.2.2 KEKIdentification <KEKId>

*Presence:* [1..1]

*Definition:* Identification of the key encryption key (KEK).

**KEKIdentification <KEKId>** contains the following elements (see "[KEKIdentifier7](#)" on page 855 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		855
	KeyVersion <KeyVrsn>	[1..1]	Text		855
	SequenceNumber <SeqNb>	[0..1]	Quantity		855
	DerivationIdentification <DerivtnId>	[0..1]	Binary		855

#### 27.1.11.2.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

*Presence:* [1..1]

*Definition:* Algorithm to encrypt the key encryption key (KEK).

**KeyEncryptionAlgorithm <KeyNcrptnAlgo>** contains the following elements (see "[AlgorithmIdentification29](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1319
	Parameter <Param>	[0..1]			1321
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1322
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1322
	BytePadding <BPddg>	[0..1]	CodeSet		1322

#### 27.1.11.2.2.4 EncryptedKey <NcrptdKey>

*Presence:* [0..1]

*Definition:* Encrypted key encryption key (KEK).

*Datatype:* "[Max500Binary](#)" on page 1339

#### 27.1.11.2.2.3 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 elements (see "[KEKIdentifier7](#)" on page 855 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		855
	KeyVersion <KeyVrsn>	[1..1]	Text		855
	SequenceNumber <SeqNb>	[0..1]	Quantity		855
	DerivationIdentification <DerivtnId>	[0..1]	Binary		855

**27.1.11.2.3 MACAlgorithm <MACAlgo>***Presence:* [1..1]*Definition:* Algorithm to compute message authentication code (MAC).**MACAlgorithm <MACAlgo>** contains the following elements (see "[AlgorithmIdentification22](#)" on page 1323 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1323
	Parameter <Param>	[0..1]			1325
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1325
	BytePadding <BPddg>	[0..1]	CodeSet		1325

**27.1.11.2.4 EncapsulatedContent <NcpsltdCntt>***Presence:* [1..1]*Definition:* Data to authenticate.**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "[EncapsulatedContent3](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1266
	Content <Cntt>	[0..1]	Binary		1266

**27.1.11.2.5 MAC <MAC>***Presence:* [1..1]*Definition:* Message authentication code value.*Datatype:* "[Max140Binary](#)" on page 1338**27.1.11.3 EnvelopedData9***Definition:* Encrypted data with encryption key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1284
	OriginatorInformation <OrgtrlInf>	[0..1]			1285
	Certificate <Cert>	[0..*]	Binary		1285
	Recipient <Rcpt>	[1..*]			1285
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1286
	Version <Vrsn>	[0..1]	Quantity		1287
	RecipientIdentification <RcptId>	[1..1]			1287
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1287
	Issuer <Issr>	[1..1]			1288
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1288
	AttributeType <AttrTp>	[1..1]	CodeSet		1288
	AttributeValue <AttrVal>	[1..1]	Text		1289
	SerialNumber <SrlNb>	[1..1]	Binary		1289
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1289
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1289
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1290
Or	KEK <KEK>	[1..1]			1290
	Version <Vrsn>	[0..1]	Quantity		1290
	KEKIdentification <KEKId>	[1..1]	±		1290
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1291
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1291
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1291
	EncryptedContent <NcrptdCntt>	[0..1]			1292
	ContentType <CnttTp>	[1..1]	CodeSet		1292
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		1292
	EncryptedData <NcrptdData>	[1..1]	Binary		1293

### 27.1.11.3.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1395



**27.1.11.3.2 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		1285

**27.1.11.3.2.1 Certificate <Cert>***Presence:* [0..\*]*Definition:* It may contain originator certificates associated with several different key management algorithms.*Datatype:* "Max5000Binary" on page 1339**27.1.11.3.3 Recipient <Rcpt>***Presence:* [1..\*]*Definition:* Session key or identification of the protection key used by the recipient.

**Recipient <Rcpt>** contains one of the following **Recipient11Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1286
	Version <Vrsn>	[0..1]	Quantity		1287
	RecipientIdentification <RcptId>	[1..1]			1287
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1287
	Issuer <Issr>	[1..1]			1288
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1288
	AttributeType <AttrTp>	[1..1]	CodeSet		1288
	AttributeValue <AttrVal>	[1..1]	Text		1289
	SerialNumber <SrlNb>	[1..1]	Binary		1289
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1289
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1289
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1290
Or	KEK <KEK>	[1..1]			1290
	Version <Vrsn>	[0..1]	Quantity		1290
	KEKIdentification <KEKId>	[1..1]	±		1290
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1291
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1291
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1291

#### 27.1.11.3.3.1 KeyTransport <KeyTrnsprt>

*Presence:* [1..1]

*Definition:* Encryption key using previously distributed asymmetric public key.

**KeyTransport <KeyTrnsprt>** contains the following **KeyTransport8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1287
	RecipientIdentification <Rcptld>	[1..1]			1287
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1287
	Issuer <Issr>	[1..1]			1288
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1288
	AttributeType <AttrTp>	[1..1]	CodeSet		1288
	AttributeValue <AttrVal>	[1..1]	Text		1289
	SerialNumber <SrlNb>	[1..1]	Binary		1289
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1289
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1289
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1290

#### 27.1.11.3.3.1.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1395

#### 27.1.11.3.3.1.2 RecipientIdentification <Rcptld>

*Presence:* [1..1]

*Definition:* Identification of a cryptographic asymmetric key for the recipient.

**RecipientIdentification <Rcptld>** contains one of the following **Recipient12Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1287
	Issuer <Issr>	[1..1]			1288
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1288
	AttributeType <AttrTp>	[1..1]	CodeSet		1288
	AttributeValue <AttrVal>	[1..1]	Text		1289
	SerialNumber <SrlNb>	[1..1]	Binary		1289
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1289

#### 27.1.11.3.3.1.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

*Presence:* [1..1]

*Definition:* Certificate issuer name and serial number (see ITU X.509).

**IssuerAndSerialNumber <IssrAndSrInb>** contains the following **IssuerAndSerialNumber2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			1288
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1288
	AttributeType <AttrTp>	[1..1]	CodeSet		1288
	AttributeValue <AttrVal>	[1..1]	Text		1289
	SerialNumber <SrInb>	[1..1]	Binary		1289

#### 27.1.11.3.3.1.2.1.1 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..*]			1288
	AttributeType <AttrTp>	[1..1]	CodeSet		1288
	AttributeValue <AttrVal>	[1..1]	Text		1289

#### 27.1.11.3.3.1.2.1.1.1 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		1288
	AttributeValue <AttrVal>	[1..1]	Text		1289

#### 27.1.11.3.3.1.2.1.1.1.1 AttributeType <AttrTp>

*Presence:* [1..1]

*Definition:* Type of attribute of a distinguished name (see X.500).

*Datatype:* "AttributeType1Code" on page 1350

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).

#### 27.1.11.3.3.1.2.1.1.2 AttributeValue <AttrVal>

*Presence:* [1..1]

*Definition:* Value of the attribute of a distinguished name (see X.500).

*Datatype:* "Max140Text" on page 1397

#### 27.1.11.3.3.1.2.1.2 SerialNumber <SrlNb>

*Presence:* [1..1]

*Definition:* Certificate serial number (see X.509).

*Datatype:* "Max500Binary" on page 1339

#### 27.1.11.3.3.1.2.2 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 "KEKIdentifier7" on page 855 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		855
	KeyVersion <KeyVrsn>	[1..1]	Text		855
	SequenceNumber <SeqNb>	[0..1]	Quantity		855
	DerivationIdentification <DerivtnId>	[0..1]	Binary		855

#### 27.1.11.3.3.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

*Presence:* [1..1]

*Definition:* Algorithm to encrypt the key encryption key (KEK).

**KeyEncryptionAlgorithm <KeyNcrptnAlgo>** contains the following elements (see "AlgorithmIdentification19" on page 1327 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1327
	Parameter <Param>	[0..1]			1327
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1328
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1328
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		1329

#### 27.1.11.3.3.1.4 EncryptedKey <NcrptdKey>

*Presence:* [1..1]

*Definition:* Encrypted key encryption key (KEK).

*Datatype:* "Max5000Binary" on page 1339

#### 27.1.11.3.3.2 KEK <KEK>

*Presence:* [1..1]

*Definition:* Key encryption key using previously distributed symmetric key.

**KEK <KEK>** contains the following **KEK8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1290
	KEKIdentification <KEKId>	[1..1]	±		1290
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1291
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1291

##### 27.1.11.3.3.2.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1395

##### 27.1.11.3.3.2.2 KEKIdentification <KEKId>

*Presence:* [1..1]

*Definition:* Identification of the key encryption key (KEK).

**KEKIdentification <KEKId>** contains the following elements (see "[KEKIdentifier7](#)" on page 855 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		855
	KeyVersion <KeyVrsn>	[1..1]	Text		855
	SequenceNumber <SeqNb>	[0..1]	Quantity		855
	DerivationIdentification <DerivtnId>	[0..1]	Binary		855

#### 27.1.11.3.3.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

*Presence:* [1..1]

*Definition:* Algorithm to encrypt the key encryption key (KEK).

**KeyEncryptionAlgorithm <KeyNcrptnAlgo>** contains the following elements (see "[AlgorithmIdentification29](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1319
	Parameter <Param>	[0..1]			1321
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1322
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1322
	BytePadding <BPddg>	[0..1]	CodeSet		1322

#### 27.1.11.3.3.2.4 EncryptedKey <NcrptdKey>

*Presence:* [0..1]

*Definition:* Encrypted key encryption key (KEK).

*Datatype:* "[Max500Binary](#)" on page 1339

#### 27.1.11.3.3.3 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 "[KEKIdentifier7](#)" on page 855 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		855
	KeyVersion <KeyVrsn>	[1..1]	Text		855
	SequenceNumber <SeqNb>	[0..1]	Quantity		855
	DerivationIdentification <DerivtnId>	[0..1]	Binary		855

**27.1.11.3.4 EncryptedContent <NcrptdCntt>***Presence:* [0..1]*Definition:* Data protection by encryption (digital envelope), with an encryption key.**EncryptedContent <NcrptdCntt>** contains the following **EncryptedContent6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1292
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		1292
	EncryptedData <NcrptdData>	[1..1]	Binary		1293

**27.1.11.3.4.1 ContentType <CnttTp>***Presence:* [1..1]*Definition:* Type of data which have been encrypted.*Datatype:* "ContentType2Code" on page 1360

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).

**27.1.11.3.4.2 ContentEncryptionAlgorithm <CnttNcrptnAlgo>***Presence:* [0..1]*Definition:* Algorithm used to encrypt the data.**ContentEncryptionAlgorithm <CnttNcrptnAlgo>** contains the following elements (see "AlgorithmIdentification29" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1319
	Parameter <Param>	[0..1]			1321
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1322
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1322
	BytePadding <BPddg>	[0..1]	CodeSet		1322



**27.1.11.3.4.3 EncryptedData <NcrptdData>***Presence:* [1..1]*Definition:* Encrypted data, result of the content encryption.*Datatype:* "Max100KBinary" on page 1338**27.1.11.4 SignedData7***Definition:* Digital signatures of data from one or several signers.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1293
	DigestAlgorithm <DgstAlgo>	[0..*]	±		1294
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		1294
	Certificate <Cert>	[0..*]	Binary		1294
	Signer <Sgnr>	[0..*]			1294
	Version <Vrsn>	[0..1]	Quantity		1295
	SignerIdentification <SgnrId>	[0..1]			1295
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1296
	Issuer <Issr>	[1..1]			1296
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1296
	AttributeType <AttrTp>	[1..1]	CodeSet		1297
	AttributeValue <AttrVal>	[1..1]	Text		1297
	SerialNumber <SrlNb>	[1..1]	Binary		1297
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1297
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1298
	SignedAttributes <SgndAttrbts>	[0..*]			1298
	Name <Nm>	[1..1]	Text		1298
	Value <Val>	[0..1]	Text		1298
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		1298
	Signature <Sgntr>	[1..1]	Binary		1299

**27.1.11.4.1 Version <Vrsn>***Presence:* [0..1]*Definition:* Version of the data structure.*Datatype:* "Number" on page 1395

**27.1.11.4.2 DigestAlgorithm <DgstAlgo>***Presence:* [0..\*]*Definition:* Identification of digest algorithm applied before signature.**DigestAlgorithm <DgstAlgo>** contains the following elements (see "[AlgorithmIdentification21](#)" on page 1326 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1326

**27.1.11.4.3 EncapsulatedContent <NcpsltdCntt>***Presence:* [0..1]*Definition:* Data to sign.**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "[EncapsulatedContent3](#)" on page 1266 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1266
	Content <Cntt>	[0..1]	Binary		1266

**27.1.11.4.4 Certificate <Cert>***Presence:* [0..\*]*Definition:* Chain of X.509 certificates.*Datatype:* "[Max5000Binary](#)" on page 1339**27.1.11.4.5 Signer <Sgnr>***Presence:* [0..\*]*Definition:* Digital signature and identification of a signer.

**Signer <Sgnr>** contains the following **Signer6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1295
	SignerIdentification <SgnrId>	[0..1]			1295
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1296
	Issuer <Issr>	[1..1]			1296
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1296
	AttributeType <AttrTp>	[1..1]	CodeSet		1297
	AttributeValue <AttrVal>	[1..1]	Text		1297
	SerialNumber <SrlNb>	[1..1]	Binary		1297
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1297
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1298
	SignedAttributes <SgndAttrbts>	[0..*]			1298
	Name <Nm>	[1..1]	Text		1298
	Value <Val>	[0..1]	Text		1298
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		1298
	Signature <Sgntr>	[1..1]	Binary		1299

#### 27.1.11.4.5.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the Cryptographic Message Syntax (CMS) data structure.

*Datatype:* "Number" on page 1395

#### 27.1.11.4.5.2 SignerIdentification <SgnrId>

*Presence:* [0..1]

*Definition:* Identification of the entity who has signed the data.

**SignerIdentification <SgnrId>** contains one of the following **Recipient12Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1296
	Issuer <Issr>	[1..1]			1296
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1296
	AttributeType <AttrTp>	[1..1]	CodeSet		1297
	AttributeValue <AttrVal>	[1..1]	Text		1297
	SerialNumber <SrlNb>	[1..1]	Binary		1297
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1297

#### 27.1.11.4.5.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

*Presence:* [1..1]

*Definition:* Certificate issuer name and serial number (see ITU X.509).

**IssuerAndSerialNumber <IssrAndSrlNb>** contains the following **IssuerAndSerialNumber2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			1296
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1296
	AttributeType <AttrTp>	[1..1]	CodeSet		1297
	AttributeValue <AttrVal>	[1..1]	Text		1297
	SerialNumber <SrlNb>	[1..1]	Binary		1297

#### 27.1.11.4.5.2.1.1 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..*]			1296
	AttributeType <AttrTp>	[1..1]	CodeSet		1297
	AttributeValue <AttrVal>	[1..1]	Text		1297

#### 27.1.11.4.5.2.1.1.1 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		1297
	AttributeValue <AttrVal>	[1..1]	Text		1297

#### 27.1.11.4.5.2.1.1.1.1 AttributeType <AttrTp>

*Presence:* [1..1]

*Definition:* Type of attribute of a distinguished name (see X.500).

*Datatype:* "AttributeType1Code" on page 1350

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).

#### 27.1.11.4.5.2.1.1.1.2 AttributeValue <AttrVal>

*Presence:* [1..1]

*Definition:* Value of the attribute of a distinguished name (see X.500).

*Datatype:* "Max140Text" on page 1397

#### 27.1.11.4.5.2.1.2 SerialNumber <SrINb>

*Presence:* [1..1]

*Definition:* Certificate serial number (see X.509).

*Datatype:* "Max500Binary" on page 1339

#### 27.1.11.4.5.2.2 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 "[KEKIdentifier7](#)" on page 855 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		855
	KeyVersion <KeyVrsn>	[1..1]	Text		855
	SequenceNumber <SeqNb>	[0..1]	Quantity		855
	DerivationIdentification <DerivtnId>	[0..1]	Binary		855

#### 27.1.11.4.5.3 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 1326 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1326

#### 27.1.11.4.5.4 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		1298
	Value <Val>	[0..1]	Text		1298

##### 27.1.11.4.5.4.1 Name <Nm>

*Presence:* [1..1]

*Definition:* Name of the generic information to exchange.

*Datatype:* "[Max70Text](#)" on page 1400

##### 27.1.11.4.5.4.2 Value <Val>

*Presence:* [0..1]

*Definition:* Value of the generic information to exchange.

*Datatype:* "[Max140Text](#)" on page 1397

##### 27.1.11.4.5.5 SignatureAlgorithm <SgntrAlgo>

*Presence:* [1..1]

*Definition:* Cryptographic digital signature algorithm.

**SignatureAlgorithm <SgntrAlgo>** contains the following elements (see "AlgorithmIdentification30" on page 1315 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1315
	Parameter <Param>	[0..1]			1316
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1317
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1318
	Algorithm <Algo>	[1..1]	CodeSet		1318
	Parameter <Param>	[0..1]			1318
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1318
	SaltLength <SaltLngth>	[0..1]	Quantity		1319
	TrailerField <TrlrFld>	[0..1]	Quantity		1319
	OIDCurveName <OIDCrvNm>	[0..1]	Text		1319

#### 27.1.11.4.5.6 Signature <Sgntr>

*Presence:* [1..1]

*Definition:* Digital signature.

*Datatype:* "Max3000Binary" on page 1339

#### 27.1.11.5 ContentInformationType32

*Definition:* General cryptographic message syntax (CMS) containing encrypted data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1299
	EnvelopedData <EnvlpdData>	[1..1]	±		1300

#### 27.1.11.5.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1360

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).

CodeName	Name	Definition
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).

#### 27.1.11.5.2 EnvelopedData <EnvlpdData>

*Presence:* [1..1]

*Definition:* Data protection by encryption or by a digital envelope, with an encryption key.



**EnvelopedData <EnvpdData>** contains the following elements (see "EnvelopedData9" on page 1283 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1284
	OriginatorInformation <OrgtrlInf>	[0..1]			1285
	Certificate <Cert>	[0..*]	Binary		1285
	Recipient <Rcpt>	[1..*]			1285
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1286
	Version <Vrsn>	[0..1]	Quantity		1287
	RecipientIdentification <RcptId>	[1..1]			1287
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1287
	Issuer <Issr>	[1..1]			1288
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1288
	AttributeType <AttrTp>	[1..1]	CodeSet		1288
	AttributeValue <AttrVal>	[1..1]	Text		1289
	SerialNumber <SrlNb>	[1..1]	Binary		1289
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1289
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1289
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1290
Or	KEK <KEK>	[1..1]			1290
	Version <Vrsn>	[0..1]	Quantity		1290
	KEKIdentification <KEKId>	[1..1]	±		1290
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1291
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1291
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1291
	EncryptedContent <NcrptdCntt>	[0..1]			1292
	ContentType <CnttTp>	[1..1]	CodeSet		1292
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		1292
	EncryptedData <NcrptdData>	[1..1]	Binary		1293

### 27.1.11.6 ContentInformationType31

*Definition:* General cryptographic message syntax (CMS) containing authenticated data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1302
	AuthenticatedData <AuthntcdData>	[1..1]	±		1302

#### 27.1.11.6.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1360

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).

#### 27.1.11.6.2 AuthenticatedData <AuthntcdData>

*Presence:* [1..1]

*Definition:* Data protection by a message authentication code (MAC).

**AuthenticatedData <AuthntcdData>** contains the following elements (see "AuthenticatedData8" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1276
	Recipient <Rcpt>	[1..*]			1276
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1277
	Version <Vrsn>	[0..1]	Quantity		1278
	RecipientIdentification <RcptId>	[1..1]			1278
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1278
	Issuer <Issr>	[1..1]			1279
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1279
	AttributeType <AttrTp>	[1..1]	CodeSet		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280
	SerialNumber <SrlNb>	[1..1]	Binary		1280
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1280
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1280
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1281
Or	KEK <KEK>	[1..1]			1281
	Version <Vrsn>	[0..1]	Quantity		1281
	KEKIdentification <KEKId>	[1..1]	±		1281
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1282
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1282
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1282
	MACAlgorithm <MACAlgo>	[1..1]	±		1283
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1283
	MAC <MAC>	[1..1]	Binary		1283

### 27.1.11.7 ContentInformationType30

*Definition:* General cryptographic message syntax (CMS) containing protected data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <Dgstddata>	[0..1]	±		1307

#### 27.1.11.7.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1360

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).

#### 27.1.11.7.2 EnvelopedData <EnvlpdData>

*Presence:* [0..1]

*Definition:* Data protection by encryption, with a session key.

**EnvelopedData <EnvpdData>** contains the following elements (see "EnvelopedData9" on page 1283 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1284
	OriginatorInformation <OrgtrlInf>	[0..1]			1285
	Certificate <Cert>	[0..*]	Binary		1285
	Recipient <Rcpt>	[1..*]			1285
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1286
	Version <Vrsn>	[0..1]	Quantity		1287
	RecipientIdentification <RcptId>	[1..1]			1287
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1287
	Issuer <Issr>	[1..1]			1288
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1288
	AttributeType <AttrTp>	[1..1]	CodeSet		1288
	AttributeValue <AttrVal>	[1..1]	Text		1289
	SerialNumber <SrlNb>	[1..1]	Binary		1289
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1289
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1289
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1290
Or	KEK <KEK>	[1..1]			1290
	Version <Vrsn>	[0..1]	Quantity		1290
	KEKIdentification <KEKId>	[1..1]	±		1290
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1291
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1291
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1291
	EncryptedContent <NcrptdCntt>	[0..1]			1292
	ContentType <CnttTp>	[1..1]	CodeSet		1292
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		1292
	EncryptedData <NcrptdData>	[1..1]	Binary		1293

### 27.1.11.7.3 AuthenticatedData <AuthntcdData>

*Presence:* [0..1]

*Definition:* Data protection by a message authentication code (MAC).

**AuthenticatedData <AuthntcdData>** contains the following elements (see "AuthenticatedData8" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1276
	Recipient <Rcpt>	[1..*]			1276
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1277
	Version <Vrsn>	[0..1]	Quantity		1278
	RecipientIdentification <RcptId>	[1..1]			1278
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1278
	Issuer <Issr>	[1..1]			1279
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1279
	AttributeType <AttrTp>	[1..1]	CodeSet		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280
	SerialNumber <SrlNb>	[1..1]	Binary		1280
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1280
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1280
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1281
Or	KEK <KEK>	[1..1]			1281
	Version <Vrsn>	[0..1]	Quantity		1281
	KEKIdentification <KEKId>	[1..1]	±		1281
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1282
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1282
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1282
	MACAlgorithm <MACAlgo>	[1..1]	±		1283
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1283
	MAC <MAC>	[1..1]	Binary		1283

#### 27.1.11.7.4 SignedData <SgndData>

*Presence:* [0..1]

*Definition:* Data protected by a digital signatures.

**SignedData <SgndData>** contains the following elements (see "SignedData7" on page 1293 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1293
	DigestAlgorithm <DgstAlgo>	[0..*]	±		1294
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		1294
	Certificate <Cert>	[0..*]	Binary		1294
	Signer <Sgnr>	[0..*]			1294
	Version <Vrsn>	[0..1]	Quantity		1295
	SignerIdentification <SgnrId>	[0..1]			1295
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1296
	Issuer <Issr>	[1..1]			1296
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1296
	AttributeType <AttrTp>	[1..1]	CodeSet		1297
	AttributeValue <AttrVal>	[1..1]	Text		1297
	SerialNumber <SrlNb>	[1..1]	Binary		1297
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1297
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1298
	SignedAttributes <SgndAttrbts>	[0..*]			1298
	Name <Nm>	[1..1]	Text		1298
	Value <Val>	[0..1]	Text		1298
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		1298
	Signature <Sgntr>	[1..1]	Binary		1299

#### 27.1.11.7.5 DigestedData <DgstdData>

*Presence:* [0..1]

*Definition:* Data protected by a digest.

**DigestedData <DgstdData>** contains the following elements (see "DigestedData5" on page 1274 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1275
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1275
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1275
	Digest <Dgst>	[1..1]	Binary		1275

### 27.1.11.8 ContentInformationType29

*Definition:* General cryptographic message syntax (CMS) containing data. protected by a MAC or a digital signature.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1308
	AuthenticatedData <AuthntcdData>	[0..1]	±		1308
	SignedData <SgndData>	[0..1]	±		1309

#### 27.1.11.8.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1360

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).

#### 27.1.11.8.2 AuthenticatedData <AuthntcdData>

*Presence:* [0..1]

*Definition:* Data protection by a message authentication code (MAC).



**AuthenticatedData <AuthntcdData>** contains the following elements (see "AuthenticatedData8" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1276
	Recipient <Rcpt>	[1..*]			1276
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1277
	Version <Vrsn>	[0..1]	Quantity		1278
	RecipientIdentification <RcptId>	[1..1]			1278
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1278
	Issuer <Issr>	[1..1]			1279
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1279
	AttributeType <AttrTp>	[1..1]	CodeSet		1279
	AttributeValue <AttrVal>	[1..1]	Text		1280
	SerialNumber <SrlNb>	[1..1]	Binary		1280
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1280
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1280
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1281
Or	KEK <KEK>	[1..1]			1281
	Version <Vrsn>	[0..1]	Quantity		1281
	KEKIdentification <KEKId>	[1..1]	±		1281
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1282
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1282
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1282
	MACAlgorithm <MACAlgo>	[1..1]	±		1283
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1283
	MAC <MAC>	[1..1]	Binary		1283

### 27.1.11.8.3 SignedData <SgndData>

*Presence:* [0..1]

*Definition:* Data protected by a digital signatures.

**SignedData <SgndData>** contains the following elements (see "SignedData7" on page 1293 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1293
	DigestAlgorithm <DgstAlgo>	[0..*]	±		1294
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		1294
	Certificate <Cert>	[0..*]	Binary		1294
	Signer <Sgnr>	[0..*]			1294
	Version <Vrsn>	[0..1]	Quantity		1295
	SignerIdentification <SgnrId>	[0..1]			1295
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1296
	Issuer <Issr>	[1..1]			1296
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1296
	AttributeType <AttrTp>	[1..1]	CodeSet		1297
	AttributeValue <AttrVal>	[1..1]	Text		1297
	SerialNumber <SrlNb>	[1..1]	Binary		1297
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1297
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1298
	SignedAttributes <SgndAttrbts>	[0..*]			1298
	Name <Nm>	[1..1]	Text		1298
	Value <Val>	[0..1]	Text		1298
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		1298
	Signature <Sgntr>	[1..1]	Binary		1299

### 27.1.11.9 CryptographicKey16

*Definition:* Cryptographic Key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1311
	AdditionalIdentification <AddtlId>	[0..1]	Binary		1311
	Name <Nm>	[0..1]	Text		1311
	SecurityProfile <SctyPrfl>	[0..1]	Text		1312
	ItemNumber <ItmNb>	[0..1]	Text		1312
	Version <Vrsn>	[1..1]	Text		1312
	Type <Tp>	[0..1]	CodeSet		1312
	Function <Fctn>	[0..*]	CodeSet		1313
	ActivationDate <ActvtnDt>	[0..1]	DateTime		1313
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		1313
	KeyValue <KeyVal>	[0..1]	±		1314
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		1314
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			1314
	Name <Nm>	[1..1]	Text		1314
	Value <Val>	[0..1]	Text		1314

#### 27.1.11.9.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Name of the cryptographic key.

*Datatype:* "Max350Text" on page 1398

#### 27.1.11.9.2 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 1339

#### 27.1.11.9.3 Name <Nm>

*Presence:* [0..1]

*Definition:* Name of the Cryptographic Element.

*Datatype:* "Max256Text" on page 1398

**27.1.11.9.4 SecurityProfile <SctyPrfl>***Presence:* [0..1]*Definition:* Identification of the set of security elements to which this element belongs.*Datatype:* "Max35Text" on page 1399**27.1.11.9.5 ItemNumber <itmNb>***Presence:* [0..1]*Definition:* Hierarchical identification of a key inside all the key system. 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 1399**27.1.11.9.6 Version <Vrsn>***Presence:* [1..1]*Definition:* Version of the cryptographic key.*Datatype:* "Max256Text" on page 1398**27.1.11.9.7 Type <Tp>***Presence:* [0..1]*Definition:* Type of algorithm used by the cryptographic key.*Datatype:* "CryptographicKeyType3Code" on page 1361

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).

**27.1.11.9.8 Function <Fctn>***Presence:* [0..\*]*Definition:* Allowed usage of the key.*Datatype:* "KeyUsage1Code" on page 1368

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).
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.

**27.1.11.9.9 ActivationDate <ActvtnDt>***Presence:* [0..1]*Definition:* Date and time on which the key must be activated.*Datatype:* "ISODatetime" on page 1392**27.1.11.9.10 DeactivationDate <DeactvtnDt>***Presence:* [0..1]*Definition:* Date and time on which the key must be deactivated.*Datatype:* "ISODatetime" on page 1392

**27.1.11.9.11 KeyValue <KeyVal>***Presence:* [0..1]*Definition:* Encrypted cryptographic key.**KeyValue <KeyVal>** contains the following elements (see "[ContentInformationType30](#)" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1304
	EnvelopedData <EnvlpdData>	[0..1]	±		1304
	AuthenticatedData <AuthntcdData>	[0..1]	±		1305
	SignedData <SgndData>	[0..1]	±		1306
	DigestedData <DgstdData>	[0..1]	±		1307

**27.1.11.9.12 KeyCheckValue <KeyChckVal>***Presence:* [0..1]*Definition:* Value for checking a cryptographic key security parameter.*Datatype:* "[Max35Binary](#)" on page 1339**27.1.11.9.13 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		1314
	Value <Val>	[0..1]	Text		1314

**27.1.11.9.13.1 Name <Nm>***Presence:* [1..1]*Definition:* Name of the generic information to exchange.*Datatype:* "[Max70Text](#)" on page 1400**27.1.11.9.13.2 Value <Val>***Presence:* [0..1]*Definition:* Value of the generic information to exchange.*Datatype:* "[Max140Text](#)" on page 1397

### 27.1.11.10 AlgorithmIdentification30

*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		1315
	Parameter <Param>	[0..1]			1316
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1317
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1318
	Algorithm <Algo>	[1..1]	CodeSet		1318
	Parameter <Param>	[0..1]			1318
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1318
	SaltLength <SaltLngth>	[0..1]	Quantity		1319
	TrailerField <TrlrFld>	[0..1]	Quantity		1319
	OIDCurveName <OIDCrvNm>	[0..1]	Text		1319

#### 27.1.11.10.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Identification of the algorithm.

*Datatype:* "Algorithm25Code" on page 1347

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).
ERS3	SHA3-256WithRSA	Signature algorithms with RSA, using SHA3-256 digest algorithm. (ASN.1 Object Identifier: id-rsassa-pkcs1-v1-5-with-sha3-256).
ED32	EcdsaSha3-256	Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ED33	EcdsaSha3-384	Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.

CodeName	Name	Definition
ED35	EcdsaSha3-512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ED23	EcdsaSha384	Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ED25	EcdsaSha512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES22	EcdsaSha256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
ES32	EcdsaSha3-256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ES33	EcdsaSha3-384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
ES35	EcdsaSha3-512	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES23	EcdsaSha384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ES25	EcdsaSha512	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ED22	EcdsaSha256	Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.

#### 27.1.11.10.2 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 **Parameter15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1317
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1318
	Algorithm <Algo>	[1..1]	CodeSet		1318
	Parameter <Param>	[0..1]			1318
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1318
	SaltLength <SaltLngth>	[0..1]	Quantity		1319
	TrailerField <TrlrFld>	[0..1]	Quantity		1319
	OIDCurveName <OIDCrvNm>	[0..1]	Text		1319

#### 27.1.11.10.2.1 DigestAlgorithm <DgstAlgo>

*Presence:* [0..1]

*Definition:* Identification of the digest algorithm.

*Datatype:* "Algorithm16Code" on page 1342

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).

CodeName	Name	Definition
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

#### 27.1.11.10.2.2 MaskGeneratorAlgorithm <MskGnrtrAlgo>

*Presence:* [0..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		1318
	Parameter <Param>	[0..1]			1318
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1318

##### 27.1.11.10.2.2.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Mask generator function cryptographic algorithm.

*Datatype:* "Algorithm8Code" on page 1349

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA digital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1).

##### 27.1.11.10.2.2.2 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		1318

##### 27.1.11.10.2.2.2.1 DigestAlgorithm <DgstAlgo>

*Presence:* [0..1]

*Definition:* Digest algorithm used in the mask generator function.

*Datatype:* "Algorithm11Code" on page 1342

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).

CodeName	Name	Definition
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).

**27.1.11.10.2.3 SaltLength <SaltLngth>***Presence:* [0..1]*Definition:* Length of the salt to include in the signature.*Datatype:* "Number" on page 1395**27.1.11.10.2.4 TrailerField <TrlrFld>***Presence:* [0..1]*Definition:* Trailer field number.*Datatype:* "Number" on page 1395**27.1.11.10.2.5 OIDCurveName <OIDCrvNm>***Presence:* [0..1]*Definition:* Name of the Elliptic Curve according to the OID notation.*Datatype:* "Max140Text" on page 1397**27.1.11.11 AlgorithmIdentification29***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		1319
	Parameter <Param>	[0..1]			1321
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1322
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1322
	BytePadding <BPddg>	[0..1]	CodeSet		1322

**27.1.11.11.1 Algorithm <Algo>***Presence:* [1..1]*Definition:* Identification of the algorithm.*Datatype:* "Algorithm24Code" on page 1345

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).
UKA2	UKPTwithAES192	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 192 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.

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).
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).
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).
UKA3	UKPTwithAES256	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

### 27.1.11.11.2 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		1322
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		1322
	BytePadding <BPddg>	[0..1]	CodeSet		1322

#### 27.1.11.11.2.1 EncryptionFormat <NcrptnFrmt>

*Presence:* [0..1]

*Definition:* Format of data before encryption, if the format is not plaintext or implicit.

*Datatype:* "EncryptionFormat2Code" on page 1364

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.

#### 27.1.11.11.2.2 InitialisationVector <InitlstrVctr>

*Presence:* [0..1]

*Definition:* Initialisation vector of a cipher block chaining (CBC) mode encryption.

*Datatype:* "Max500Binary" on page 1339

#### 27.1.11.11.2.3 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 1354

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.

## 27.1.11.12 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		1323
	Parameter <Param>	[0..1]			1325
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1325
	BytePadding <BPddg>	[0..1]	CodeSet		1325

### 27.1.11.12.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Identification of the MAC algorithm.

*Datatype:* "Algorithm17Code" on page 1343

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

CodeName	Name	Definition
		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). 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.



CodeName	Name	Definition
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).

#### 27.1.11.12.2 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 <InitIstnVctr>	[0..1]	Binary		1325
	BytePadding <BPddg>	[0..1]	CodeSet		1325

##### 27.1.11.12.2.1 InitialisationVector <InitIstnVctr>

*Presence:* [0..1]

*Definition:* Initialisation vector of a cipher block chaining (CBC) mode encryption.

*Datatype:* "Max500Binary" on page 1339

##### 27.1.11.12.2.2 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 1354

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.

### 27.1.11.13 AlgorithmIdentification21

*Definition:* Cryptographic algorithm and parameters of digests.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1326

#### 27.1.11.13.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Identification of the digest algorithm.

*Datatype:* "Algorithm16Code" on page 1342

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).

CodeName	Name	Definition
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).

#### 27.1.11.14 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		1327
	Parameter <Param>	[0..1]			1327
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1328
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1328
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		1329

#### 27.1.11.14.1 Algorithm <Algo>

*Presence:* [1..1]

**Definition:** Asymmetric encryption algorithm of a transport key.

*Datatype: "Algorithm7Code" on page 1348*

CodeName	Name	Definition
ERSA	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSAO	RSAAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

#### 27.1.11.14.2 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		1328
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1328
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		1329

#### 27.1.11.14.2.1 EncryptionFormat <NcrptnFrmt>

*Presence:* [0..1]

*Definition:* Format of data before encryption, if the format is not plaintext or implicit.

*Datatype:* "EncryptionFormat2Code" on page 1364

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.

#### 27.1.11.14.2.2 DigestAlgorithm <DgstAlgo>

*Presence:* [0..1]

*Definition:* Identification of the digest algorithm.

*Datatype:* "Algorithm16Code" on page 1342

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).

CodeName	Name	Definition
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).

#### 27.1.11.14.2.3 MaskGeneratorAlgorithm <MskGnrtrAlgo>

*Presence:* [0..1]

*Definition:* Mask generator function cryptographic algorithm and parameters.

**MaskGeneratorAlgorithm <MskGnrtrAlgo>** contains the following elements (see "AlgorithmIdentification18" on page 1329 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1329
	Parameter <Param>	[0..1]			1330
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1330

#### 27.1.11.15 AlgorithmIdentification18

*Definition:* Mask generator function cryptographic algorithm and parameters.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1329
	Parameter <Param>	[0..1]			1330
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1330

#### 27.1.11.15.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Mask generator function cryptographic algorithm.

*Datatype:* "Algorithm8Code" on page 1349

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA digital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1).

**27.1.11.15.2 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		1330

**27.1.11.15.2.1 DigestAlgorithm <DgstAlgo>***Presence:* [0..1]*Definition:* Digest algorithm used in the mask generator function.*Datatype:* "Algorithm16Code" on page 1342

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).

## 27.1.12 Structured Postal Address

### 27.1.12.1 PostalAddress2

*Definition:* Address of a party expressed in a formal structure, usually according to the country's postal services specifications.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		1331
	PostCodeIdentification <PstCdId>	[1..1]	Text		1331
	TownName <TwnNm>	[1..1]	Text		1331
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1331
	Country <Ctry>	[1..1]	CodeSet	C3	1331

#### 27.1.12.1.1 StreetName <StrtNm>

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1400

#### 27.1.12.1.2 PostCodeIdentification <PstCdId>

*Presence:* [1..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 1397

#### 27.1.12.1.3 TownName <TwnNm>

*Presence:* [1..1]

*Definition:* Name of a built-up area, with defined boundaries, and a local government.

*Datatype:* "Max35Text" on page 1399

#### 27.1.12.1.4 CountrySubDivision <CtrySubDvsn>

*Presence:* [0..1]

*Definition:* Identifies a subdivision of a country for example, state, region, county.

*Datatype:* "Max35Text" on page 1399

#### 27.1.12.1.5 Country <Ctry>

*Presence:* [1..1]

*Definition:* Nation with its own government.

*Impacted by:* C3 "Country"

*Datatype:* "CountryCode" on page 1361

**Constraints**

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

## 27.1.13 Token

### 27.1.13.1 Token1

*Definition:* Unencrypted sensitive data of a token.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1332
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1332
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1332
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1332
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1333
	TokenInitiatedIndicator <TknInittlnd>	[0..1]	Indicator		1333

#### 27.1.13.1.1 PaymentToken <PmtTkn>

*Presence:* [0..1]

*Definition:* Surrogate value of the PAN.

*Datatype:* "Max19NumericText" on page 1397

#### 27.1.13.1.2 TokenExpiryDate <TknXpryDt>

*Presence:* [0..1]

*Definition:* Expiry date of the payment token.

ISO 8583 bit 14.

*Datatype:* "Exact4NumericText" on page 1396

#### 27.1.13.1.3 TokenRequestorIdentification <TknRqstrld>

*Presence:* [0..1]

*Definition:* Identification of a party requesting a token.

*Datatype:* "Max11NumericText" on page 1397

#### 27.1.13.1.4 TokenAssuranceData <TknAssrncData>

*Presence:* [0..1]

*Definition:* Supporting information for the Token Assurance Method.

*Datatype:* "Max140Text" on page 1397



**27.1.13.1.5 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 1398**27.1.13.1.6 TokenInitiatedIndicator <TknInittldInd>***Presence:* [0..1]*Definition:* Original transaction was initiated by Token.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.13.2 MerchantToken2***Definition:* Merchant token information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		1333
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1333
	TokenCharacteristic <TknChrtc>	[0..*]	Text		1334
	TokenRequestor <TknRqstr>	[0..1]			1334
	ProviderIdentification <PrvdrId>	[1..1]	Text		1334
	RequestorIdentification <RqstrId>	[1..1]	Text		1334
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		1334
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		1334
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1334
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1335

**27.1.13.2.1 Token <Tkn>***Presence:* [0..1]*Definition:* Surrogate value of the PAN.*Datatype:* "Max35Text" on page 1399**27.1.13.2.2 TokenExpiryDate <TknXpryDt>***Presence:* [0..1]*Definition:* Expiration date of the payment token that is generated by and maintained in the token vault.*Datatype:* "Max10Text" on page 1396

**27.1.13.2.3 TokenCharacteristic <TknChrtc>***Presence:* [0..\*]*Definition:* Additional payment token information.*Datatype:* "Max35Text" on page 1399**27.1.13.2.4 TokenRequestor <TknRqstr>***Presence:* [0..1]*Definition:* Identifier of a token provider requestor.**TokenRequestor <TknRqstr>** contains the following **PaymentTokenIdentifiers1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderIdentification <PrvdrId>	[1..1]	Text		1334
	RequestorIdentification <RqstrId>	[1..1]	Text		1334

**27.1.13.2.4.1 ProviderIdentification <PrvdrId>***Presence:* [1..1]*Definition:* Identifier of the token provider.*Datatype:* "Max35Text" on page 1399**27.1.13.2.4.2 RequestorIdentification <RqstrId>***Presence:* [1..1]*Definition:* Identifier of the token requestor.*Datatype:* "Max35Text" on page 1399**27.1.13.2.5 TokenAssuranceLevel <TknAssrncLvl>***Presence:* [0..1]*Definition:* Level of confidence resulting of the identification and authentication of the cardholder performed and the entity that performed it.*Datatype:* "Number" on page 1395**27.1.13.2.6 TokenAssuranceData <TknAssrncData>***Presence:* [0..1]*Definition:* Information about the identification and verification of the cardholder.*Datatype:* "Max500Binary" on page 1339**27.1.13.2.7 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 1398

**27.1.13.2.8 TokenInitiatedIndicator <TknInittndInd>***Presence:* [0..1]*Definition:* Original transaction was initiated by Token.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1394):

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

**27.1.13.3 CardPaymentToken5***Definition:* Payment token information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		1335
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1335
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1335
	TokenCharacteristic <TknChrtc>	[0..*]	Text		1336
	TokenRequestor <TknRqstr>	[0..1]			1336
	ProviderIdentification <PrvdrlId>	[1..1]	Text		1336
	RequestorIdentification <RqstrId>	[1..1]	Text		1336
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		1336
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		1336
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1336
	TokenInitiatedIndicator <TknInittndInd>	[0..1]	Indicator		1337

**27.1.13.3.1 Token <Tkn>***Presence:* [0..1]*Definition:* Surrogate value of the PAN.*Datatype:* "Min8Max28NumericText" on page 1402**27.1.13.3.2 CardSequenceNumber <CardSeqNb>***Presence:* [0..1]*Definition:* Identify a payment token inside a set of cards with the same PAN.*Datatype:* "Min2Max3NumericText" on page 1401**27.1.13.3.3 TokenExpiryDate <TknXpryDt>***Presence:* [0..1]*Definition:* Expiration date of the payment token that is generated by and maintained in the token vault.*Datatype:* "Max10Text" on page 1396

**27.1.13.3.4 TokenCharacteristic <TknChrtc>***Presence:* [0..\*]*Definition:* Additional payment token information.*Datatype:* "Max35Text" on page 1399**27.1.13.3.5 TokenRequestor <TknRqstr>***Presence:* [0..1]*Definition:* Identifier of a token provider requestor.**TokenRequestor <TknRqstr>** contains the following **PaymentTokenIdentifiers1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderIdentification <PrvdrId>	[1..1]	Text		1336
	RequestorIdentification <RqstrId>	[1..1]	Text		1336

**27.1.13.3.5.1 ProviderIdentification <PrvdrId>***Presence:* [1..1]*Definition:* Identifier of the token provider.*Datatype:* "Max35Text" on page 1399**27.1.13.3.5.2 RequestorIdentification <RqstrId>***Presence:* [1..1]*Definition:* Identifier of the token requestor.*Datatype:* "Max35Text" on page 1399**27.1.13.3.6 TokenAssuranceLevel <TknAssrncLvl>***Presence:* [0..1]*Definition:* Level of confidence resulting of the identification and authentication of the cardholder performed and the entity that performed it.*Datatype:* "Number" on page 1395**27.1.13.3.7 TokenAssuranceData <TknAssrncData>***Presence:* [0..1]*Definition:* Information about the identification and verification of the cardholder.*Datatype:* "Max500Binary" on page 1339**27.1.13.3.8 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 1398

**27.1.13.3.9 TokenInitiatedIndicator <TknInittInd>**

*Presence:* [0..1]

*Definition:* Original transaction was initiated by Token.

*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1394):

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

**27.2 Message Datatypes****27.2.1 Amount****27.2.1.1 CurrencyAndAmount**

*Definition:* Number of monetary units specified in a currency, where the unit of currency is explicit and compliant with ISO 4217. The decimal separator is a dot.

Note: A zero amount is considered a positive amount.

*Type:* Amount

This data type contains the following XML attribute:

Name	Attribute XML Name	Datatype
Currency	Ccy	"CurrencyCode" on page 1362

**Format**

minInclusive	0
totalDigits	18
fractionDigits	5

**Constraints**

- **ValidationByTable**

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

**27.2.1.2 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

## 27.2.2 Binary

### 27.2.2.1 Max10000Binary

*Definition:* Specifies a binary string with a maximum length of 10000 binary bytes.

*Type:* Binary

#### Format

minLength	1
maxLength	10000

### 27.2.2.2 Max100KBinary

*Definition:* Binary data of 100K maximum.

*Type:* Binary

#### Format

minLength	1
maxLength	102400

### 27.2.2.3 Max10KBinary

*Definition:* Binary data of 10K maximum.

*Type:* Binary

#### Format

minLength	1
maxLength	10240

### 27.2.2.4 Max140Binary

*Definition:* Specifies a binary string with a maximum length of 140 binary bytes.

*Type:* Binary

#### Format

minLength	1
maxLength	140

### 27.2.2.5 Max2KBinary

*Definition:* Binary data of 2K maximum.

*Type:* Binary

**Format**

minLength	1
maxLength	2048

**27.2.2.6 Max2MBBinary**

*Definition:* Binary data of 2MB maximum.

*Type:* Binary

**Format**

minLength	1
maxLength	2097152

**27.2.2.7 Max3000Binary**

*Definition:* Specifies a binary string with a maximum length of 3000 binary bytes.

*Type:* Binary

**Format**

minLength	1
maxLength	3000

**27.2.2.8 Max35Binary**

*Definition:* Specifies a binary string with a maximum length of 35 binary bytes.

*Type:* Binary

**Format**

minLength	1
maxLength	35

**27.2.2.9 Max5000Binary**

*Definition:* Specifies a binary string with a maximum length of 5000 binary bytes.

*Type:* Binary

**Format**

minLength	1
maxLength	5000

**27.2.2.10 Max500Binary**

*Definition:* Specifies a binary string with a maximum length of 500 binary bytes.

*Type:* Binary

**Format**

minLength	1
maxLength	500

## 27.2.3 CodeSet

### 27.2.3.1 AccountChoiceMethod1Code

*Definition:* Method used by the cardholder and the terminal for the choice of the account.

*Type:* CodeSet

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.
TPSL	TypeSelected	Type of account selected in a list.

### 27.2.3.2 ActionType12Code

*Definition:* Type of action to be performed by the point of interaction (POI).

*Type:* CodeSet

CodeName	Name	Definition
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
NOVR	ForbidOverride	Payment application cannot propose to the merchant an override of the payment transaction.
RQID	IdentificationRequired	Additional identification required (passport, ID card, etc.).
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
PRNT	PrintMessage	Print a message.
RFRL	Referral	Referral has to be performed.
RQDT	RequestData	Request additional data through a displayed text and request confirmation by an attendant.



CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FLFW	FallForward	Fall-forward from contactless to chip card transaction required.
PINQ	PINRequest	Request Cardholder Authentication through PIN insertion.
CDCV	ConsumerDeviceCardholderVerificationMethod	Request Cardholder Authentication according to the ConsumerDeviceCardholderVerification Method.
CHDA	CardholderAuthentication	Additional authentication of cardholder required.
STAR	StopAllRecurring	Recurring transactions is no more allowed for this card and for all merchants.
STOR	StopOneRecurring	Cardholder has revoked this recurring transaction for this merchant.

### 27.2.3.3 ActiveCurrencyCode

*Definition:* A 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".

*Type:* CodeSet

#### Format

pattern [A-Z]{3,3}

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

### 27.2.3.4 AddressType2Code

*Definition:* Specifies the type of address.

*Type:* CodeSet

CodeName	Name	Definition
ADDR	Postal	Address is the complete postal address.
PBOX	POBox	Address is a postal office (PO) box.
HOME	Residential	Address is the home address.
BIZZ	Business	Address is the business address.

CodeName	Name	Definition
MLTO	MailTo	Address is the address to which mail is sent.
DLVY	DeliveryTo	Address is the address to which delivery is to take place.

### 27.2.3.5 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).

### 27.2.3.6 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).

CodeName	Name	Definition
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).

### 27.2.3.7 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.

CodeName	Name	Definition
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). 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.

CodeName	Name	Definition
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).

### 27.2.3.8 Algorithm24Code

*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.

CodeName	Name	Definition
UKPT	UKPT	UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap).
UKA2	UKPTwithAES192	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 192 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

CodeName	Name	Definition
		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).
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).
UKA3	UKPTwithAES256	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

### 27.2.3.9 Algorithm25Code

*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

CodeName	Name	Definition
		#1 version 2.1), - (ASN.1 Object Identifier: id-RSASSA-PSS).
ERS3	SHA3-256WithRSA	Signature algorithms with RSA, using SHA3-256 digest algorithm. (ASN.1 Object Identifier: id-rsassa-pkcs1-v1-5-with-sha3-256).
ED32	EcdsaSha3-256	Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ED33	EcdsaSha3-384	Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
ED35	EcdsaSha3-512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ED23	EcdsaSha384	Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ED25	EcdsaSha512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES22	EcdsaSha256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
ES32	EcdsaSha3-256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ES33	EcdsaSha3-384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
ES35	EcdsaSha3-512	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES23	EcdsaSha384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ES25	EcdsaSha512	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ED22	EcdsaSha256	Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.

### 27.2.3.10 Algorithm7Code

*Definition:* Asymmetric encryption algorithm of a transport key.

*Type:* CodeSet

CodeName	Name	Definition
ERSA	RSASignature	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).

### 27.2.3.11 Algorithm8Code

*Definition:* Mask generator functions of the RSAES-OAEP encryption algorithm (RSA Encryption Scheme: Optimal Asymmetric Encryption Padding).

*Type:* CodeSet

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA digital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1).

### 27.2.3.12 AmountUnit1Code

*Definition:* Unit of a amount (for loyalty or account).

*Type:* CodeSet

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

### 27.2.3.13 AttendanceContext1Code

*Definition:* Human attendance at the POI location during the transaction.

*Type:* CodeSet

CodeName	Name	Definition
ATTD	Attended	Attended payment, with an attendant.
SATT	SemiAttended	Semi-attended, including self checkout. An attendant supervises several payment, and could be called to help the cardholder.
UATT	Unattended	Unattended payment, no attendant present.

### 27.2.3.14 AttendanceContext2Code

*Definition:* Identify the method of delivery or distribution.

*Type:* CodeSet

CodeName	Name	Definition
ATTL	AttendantDelivery	Delivery by an attendant.
CARR	CarrierDelivery	Delivery by a carrier.

CodeName	Name	Definition
CUST	CustomerDelivery	Delivery by the customer.
FULL	FullServe	Full service for fuel distribution.
SELF	SelfServe	Self service for fuel distribution.

### 27.2.3.15 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).

### 27.2.3.16 AuthenticationEntity2Code

*Definition:* Entity or device that has performed the verification.

*Type:* CodeSet

CodeName	Name	Definition
ICCD	ICC	Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification.
AGNT	AuthorisedAgent	Authorisation agent of the issuer.
MERC	Merchant	Merchant (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

### 27.2.3.17 AuthenticationMethod6Code

*Definition:* Methods used to authenticate a person or a card.

*Type:* CodeSet

CodeName	Name	Definition
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).

CodeName	Name	Definition
PPSG	PaperSignature	Handwritten paper signature.
PSWD	Password	Authentication by a password.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
ADDB	BillingAddressVerification	Cardholder billing address verification.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
MANU	ManualVerification	Manual verification, for example passport or drivers license.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

### 27.2.3.18 AuthenticationMethod8Code

*Definition:* Method to authenticate the customer or its card.

*Type:* CodeSet

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
ADDB	BillingAddressVerification	Cardholder billing address verification.
BYPS	Bypass	Authentication bypassed by the merchant.

CodeName	Name	Definition
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
MANU	ManualVerification	Manual verification, for example passport or drivers license.
MERC	MerchantAuthentication	Merchant-related authentication.
MOBL	Mobile	Customer mobile device.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
OTHR	Other	Other customer authentication.
PPSG	PaperSignature	Handwritten paper signature.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
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.
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.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
TOKN	TokenAuthentication	Cryptogram generated by the token requestor or a customer device to validate the authorised use of a token.
UKNW	UnknownMethod	Authentication method is performed unknown.

**27.2.3.19 AuthenticationResult1Code**

*Definition:* Specifies the result of authentication done.

*Type:* CodeSet

CodeName	Name	Definition
DENY	Denial	The authentication didn't succeed.
MRCH	MerchantNotEnroled	Merchant not enrolled in the authentication programme.
CARD	NonParticipation	The card does not participate in the authentication programme.
AUTH	UnableToAuthenticate	The authentication couldn't be carried out.
CRPT	WithCryptogram	Authentication succeeded with a cryptogram.
UCRP	WithoutCryptogram	Authentication succeeded without a cryptogram.

**27.2.3.20 BarcodeType1Code**

*Definition:* Type of BarCode coding.

*Type:* CodeSet

CodeName	Name	Definition
COQR	BarcodeEncodedAs2DQRCode	Barcode encoded according to the 2Dimensions Quick Response Code Standard.
C128	BarcodeEncodedAsCode128	Barcode encoded according to the Code 128 standard.
C025	BarcodeEncodedAsCode25	Barcode encoded according to the Code 25 standard.
C039	BarcodeEncodedAsCode39	Barcode encoded according to the Code 39 standard.
EA13	BarcodeEncodedAsEA13	Barcode encoded according to the EAN13 standard.
EAN8	BarcodeEncodedAsEAN8	Barcode encoded according to the EAN8 standard.
P417	BarcodeEncodedAsPDF417	Barcode encoded according to the PDF417 standard.
UPCA	BarcodeEncodedAsUPCA	Barcode encoded according to the UPCA standard.

**27.2.3.21 BusinessArea1Code**

*Definition:* Specifies the business context of the transaction

*Type:* CodeSet

CodeName	Name	Definition
AIBD	ArtificialIntelligenceBasedDecision	The payment is initiated by an artificial intelligence based decision.
OPMT	Openpayment	The card is used in a Transit business case where the fare amount is not known when the transaction is initiated.
PPAY	PlainPayment	The card is used to perform a plain payment.
TKNF	TransitKnownFare	The card is used in a Transit business case where the fare amount is known when the transaction is initiated.

### 27.2.3.22 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.

### 27.2.3.23 CardAccountType3Code

*Definition:* Type of cardholder account used for the transaction.

*Type:* CodeSet

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.
CHCK	Checking	Checking account.
CRDT	CreditCard	Credit card account.
CURR	Current	Current account.
CDBT	DebitCard	Debit card account.
DFLT	Default	Default account.
EPRS	EpurseCard	Electronic purse card account.
HEQL	HomeEquityLoan	Home equity loan credit account.

CodeName	Name	Definition
ISTL	InstalmentLoan	Instalment loan credit account.
INVS	Investment	Investment account.
LCDT	LineOfCredit	Line of credit account.
MBNW	MobilePhoneAccount	Mobile Station Integrated Services Digital Network Number (MSISDN).
MNMK	MoneyMarket	Money market saving account.
MNMC	MoneyMarketChecking	Money market checking account.
MTGL	MortgageLoan	Mortgage loan credit account.
RTRM	RetirementAccount	Retirement account.
RVLV	RevolvingLoanAccount	Revolving loan account.
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UVRL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

#### 27.2.3.24 CardDataReading5Code

*Definition:* Type of reading of the card data.

*Type:* CodeSet

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.

#### 27.2.3.25 CardDataReading8Code

*Definition:* Type of reading of the card data.

*Type:* CodeSet

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

### 27.2.3.26 CardFallback1Code

*Definition:* Information about card entry mode fallback.

*Type:* CodeSet

CodeName	Name	Definition
FFLB	FallbackAfterFailure	Card fall-back occurred during the transaction in progress. The previous transaction on the terminal failed.
SFLB	FallbackAfterSuccess	Card fall-back occurred during the transaction in progress. The previous transaction on the terminal was successful.
NFLB	NoFallback	No card fall-back during the transaction in progress.

### 27.2.3.27 CardholderVerificationCapability4Code

*Definition:* Cardholder verification capabilities by the terminal.

*Type:* CodeSet

CodeName	Name	Definition
APKI	AccountDigitalSignature	Account based digital signature.



CodeName	Name	Definition
CHDT	CardholderData	Cardholder authentication data.
MNSG	ManualSignature	Manual signature verification.
MNVR	ManualVerification	Other manual verification, for example passport or drivers license.
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).
NPIN	OnLinePIN	Online PIN (Personal Identification Number).
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature.
SCEC	SecureElectronicCommerce	Three domain secure (three domain secure authentication of the cardholder).
NBIO	OnLineBiometrics	Online biometrics.
NOVF	NoCapabilities	No cardholder verification capability.
OTHR	Other	Other cardholder verification capabilities.

### 27.2.3.28 CardIdentificationType1Code

*Definition:* Type of account identification.

*Type:* CodeSet

CodeName	Name	Definition
ACCT	AccountNumber	Account identification.
BARC	BarCode	Bar-code with a specific form of identification.
ISO2	ISOTrack2	ISO Track 2 including identification.
PHON	PhoneNumber	A phone number identifies the account on which the phone card is assigned.
CPAN	PrimaryAccountNumber	Standard card identification (card number).
PRIV	PrivativeNumbering	An identification set by a privative application.
UUID	UniversalUniqueIdentification	A Universal Unique Identification code is set for identification.

### 27.2.3.29 CardPaymentServiceType12Code

*Definition:* Main service provided during the card payment transaction.

*Type:* CodeSet

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

### 27.2.3.30 CardPaymentServiceType14Code

*Definition:* Additional attributes of the service provided by the card payment transaction.

*Type:* CodeSet

CodeName	Name	Definition
IRES	InitialReservation	Initial reservation.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
ARES	AdditionalPayment	Additional payment after reservation.
FREC	FirstRecurring	Initial recurring payment.
RREC	FollowingRecurring	Repeat recurring payment.
GOPT	GuaranteeOfPayment	Acceptor claims for guarantee of payment.

**27.2.3.31 CardPaymentServiceType5Code**

*Definition:* Main service provided during the card payment transaction.

*Type:* CodeSet

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
DEFR	DeferredPayment	Deferred payment.
LOAD	Loading	Loading or reloading non-financial account.
ORCR	OriginalCredit	Original credit.
PINC	PINChange	PIN (Personal Identification Number) change.
QUCH	QuasiCash	Quasi-cash.
RFND	Refund	Refund transaction.
RESA	Reservation	Reservation (pre-authorisation).
VALC	ValidityCheck	Card validity check.
UNLD	Unloading	Unloading non-financial account.
CAFT	CardsFundTransfer	Transfer of funds to and/or from a card account.
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.

**27.2.3.32 CardPaymentServiceType9Code**

*Definition:* Service provided by the card payment transaction, in addition to the main service.

*Type:* CodeSet

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.
DCCV	DCC	Dynamic currency conversion (DCC).
GRTT	Gratuity	Card payment with gratuity.
LOYT	Loyalty	Loyalty services.
NRES	NoShow	No show after reservation.
PUCO	PurchaseCorporate	Purchase and corporate data.

CodeName	Name	Definition
RECP	RecurringPayment	Recurring payment.
SOAF	SolicitedAvailableFunds	Solicited available funds.
VCAU	VoiceAuthorisation	Voice authorisation.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
INSA	AcceptorInstalment	Instalment payment transaction performed by the acceptor or the acquirer.
CSHB	CashBack	Card payment with cash-back.
INST	Instant	Instant transaction.
NRFD	NonRefundable	Payment of goods or services which are not refundable, for instance low cost airline tickets.

### 27.2.3.33 CardProductType1Code

*Definition:* Type of card product.

*Type:* CodeSet

CodeName	Name	Definition
COMM	CommercialCard	Cards issued as a means of business expenditure, for instance business card or corporate card. The user could be a company, an individual for business expenses or a self employed for business purposes.
CONS	ConsumerCard	Cards issued as a means of personal expenditure. The user is always an individual.

### 27.2.3.34 CheckType1Code

*Definition:* Type of bank check.

*Type:* CodeSet

CodeName	Name	Definition
BANK	BankCheck	The check is guaranteed by a bank.
BUSI	BusinessCheck	The check belongs to a Company or a professional entity.
GOVC	GovernmentCheck	Check issued by Government.
PAYR	PayrollCheck	Check issued by a company for the employees.
PERS	PersonalCheck	The check belongs to an individual.

### 27.2.3.35 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).

### 27.2.3.36 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).

### 27.2.3.37 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).

### 27.2.3.38 CurrencyCode

*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 letters.

*Type:* CodeSet

#### Format

pattern [A-Z]{3,3}

#### Constraints

- **ValidationByTable**

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

### 27.2.3.39 CurrencyConversionResponse3Code

*Definition:* Result of a requested currency conversion.

*Type:* CodeSet

CodeName	Name	Definition
ODCC	Allowed	Dynamic currency conversion may be offered to the cardholder.
DCCA	Assumed	Transaction authorised with dynamic currency conversion.
ICRD	InvalidCard	The card is not valid for dynamic currency conversion.
IMER	InvalidMerchant	The card acceptor has not been recognised.
IPRD	InvalidProduct	Dynamic currency conversion service cannot be offered for this card product.
IRAT	NoRate	Exchange rates are not available.
NDCC	NotAvailable	Dynamic currency conversion is not available for other reason.
REST	Restriction	Conversion accepted for the requested amount exclusively.

CodeName	Name	Definition
CATG	Catalogue	Conversion accepted for a range of amounts.

#### 27.2.3.40 DataSetCategory8Code

*Definition:* Category of data set to transfer.

*Type:* CodeSet

CodeName	Name	Definition
SWPK	SoftwareModule	Software module.
VDPR	VendorParameters	Point of interaction parameters defined by the manufacturer for instance the PIN verification capabilities.
AQPR	AcquirerParameters	Acquirer specific configuration parameters for the point of interaction (POI) system.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).
TXCP	BatchCapture	Batch upload of transaction data (data capture of a group of transactions).
AKCP	CaptureResponse	Batch download response for the batch capture of transactions.
STRP	StatusReport	Report of software configuration and parameter status.
DLGT	DelegationData	Data needed to create a terminal management sub-domain.
MGTP	ManagementPlan	Configuration of management plan in the point of interaction.
RCLE	ReconciliationError	Batch of transaction that have generated an error in the totals of the reconciliation.

#### 27.2.3.41 DocumentType7Code

*Definition:* Specifies a type of financial or commercial document.

*Type:* CodeSet

CodeName	Name	Definition
JNRL	Journal	When the POI or the Sale System wants to store a message on the journal printer or electronic journal of the Sale Terminal (it is sometimes a Sale Logging/Journal Printer).
CRCP	CustomerReceipt	When the Sale System requires the POI system to print the Customer receipt.
HRCP	CashierReceipt	When the Sale system print the Cashier copy of the Payment receipt.
SRCP	SaleReceipt	When the Sale System requires the POI system to print the Sale receipt.

CodeName	Name	Definition
RPIN	RelatedPaymentInstruction	Document is a linked payment instruction to which the current payment instruction is related, for example, in a cover scenario.
VCHR	Voucher	Document is an electronic payment document.

### 27.2.3.42 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.

### 27.2.3.43 Exemption1Code

*Definition:* Strong customer authentication exemption.

*Type:* CodeSet

CodeName	Name	Definition
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
MINT	MerchantInitiatedTransaction	Transaction is initiated by the Card Acceptor.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
SCAD	StrongCustomerAuthenticationDelegation	Card Acceptor is a strong customer authentication delegate.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.

### 27.2.3.44 FailureReason3Code

*Definition:* List of incidents happening at the acceptor during the transaction.



Type: CodeSet

CodeName	Name	Definition
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
MALF	Malfunction	Suspected malfunction.
FDCL	OfflineDeclined	Offline authorisation declined the transaction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
PART	Partial	Completed partially.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.

### 27.2.3.45 Frequency3Code

Definition: Specifies the regularity of an event.

Type: CodeSet

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.
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.
WEEK	Weekly	Event takes place once a week.
DAIL	Daily	Event takes place every day.
TEND	TenDays	Event takes place every ten business days.

**27.2.3.46 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.

**27.2.3.47 InformationQualify1Code**

*Definition:* Qualification of the information to sent to an output logical device, to display or print to the Cashier or the Customer.

*Type:* CodeSet

CodeName	Name	Definition
CUSA	CustomerAssistance	Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer.
DISP	Display	Standard display interface.
DOCT	Document	When the POI System wants to print specific document (check, dynamic currency conversion ...). Used by the Sale System when the printer is not located on the Sale System.
ERRO	Error	The information is related to an error situation occurring on the message sender.
INPT	Input	Answer to a question or information to be entered by the Cashier or the Customer, at the request of the POI Terminal or the Sale Terminal.
POIR	POIReplication	Information displayed on the Cardholder POI interface, replicated on the Cashier interface.
RCPT	Receipt	Where you print the Payment receipt that could be located on the Sale System or in some cases a restricted Sale ticket on the POI Terminal.
SOND	Sound	Standard sound interface.
STAT	Status	The information is a new state on which the message sender is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer.

CodeName	Name	Definition
VCHR	Voucher	Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed.

### 27.2.3.48 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.

### 27.2.3.49 InstalmentPeriod1Code

*Definition:* Instalment period.

*Type:* CodeSet

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

### 27.2.3.50 InstalmentPlan1Code

*Definition:* Type of instalment plan.

*Type:* CodeSet

CodeName	Name	Definition
EQPM	EqualPayment	The payment is split in several instalments of equal amounts.
NQPM	InequalPayment	The payment is split in several instalments of different amounts.
DFRI	DeferredInstalment	The first instalment is deferred.

### 27.2.3.51 InterestRate1Code

*Definition:* Contains the list of interest rates.

Type: CodeSet

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

### 27.2.3.52 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}

### 27.2.3.53 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).
PIND	PINDecryption	Key may decrypt personal identification numbers (PIN).
PINV	PINVerification	Key may verify personal identification numbers (PIN).
KEYG	KeyGeneration	Key may generate keys.

CodeName	Name	Definition
KEYI	KeyImport	Key may import keys.
KEYX	KeyExport	Key may export keys.
KEYD	KeyDerivation	Key may derive keys.

### 27.2.3.54 LanguageCode

*Definition:* Specifies a language.

*Type:* CodeSet

#### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

### 27.2.3.55 LocationCategory3Code

*Definition:* Indicates the type of integration of the POI terminal in the sale environment.

*Type:* CodeSet

CodeName	Name	Definition
INDR	Indoor	Indoor terminal.
IPMP	InsidePump	Terminal incorporated in the pump dispensing petrol.
MPOI	MultiplePOITerminal	Multiple terminals linked to a unique sale terminal.
MPMP	MultiplePump	Outdoor terminal serving several petrol pumps.
MSLE	MultipleSaleTerminal	Terminal serving multiple sale terminals.
SSLE	SingleSaleTerminal	Terminal linked to a unique sale terminal.
VNDG	VendingMachine	Terminal integrated in a vending machine.

### 27.2.3.56 LocationCategory4Code

*Definition:* Indicates the type of integration of the POI terminal in the sale environment.

*Type:* CodeSet

CodeName	Name	Definition
ABRD	Aboard	Aboard is used when the sale is done in a vehicle (e.g a bus, train, ship, airplane, taxi, etc).
NMDC	Nomadic	Nomadic is used when the merchant is traveling to different locations (e.g fair or sport events, home delivery, food truck).
FIXD	PhysicalShop	Fixed location, for example in a shop.

CodeName	Name	Definition
VIRT	VirtualShop	Virtual Shop is used for any ecommerce solution.

### 27.2.3.57 LoyaltyHandling1Code

*Definition:* Possible types of Loyalty processing.

*Type:* CodeSet

CodeName	Name	Definition
ALLO	Allowed	The loyalty is accepted, but the POI has not to require or ask a loyalty card. The loyalty is involved by the payment card (e.g. an hybrid or linked card).
DENY	Forbidden	No loyalty card to read and loyalty transaction to process. Any attempt to enter a pure loyalty card is rejected.
PRCS	Processed	The loyalty transaction is already processed, no loyalty card or loyalty transaction to process.
PROP	Proposed	The loyalty is accepted, and the POI has to ask a loyalty card. If the Customer does not enter a loyalty card, no loyalty transaction is realised.
REQU	Required	The loyalty is required, and the POI refuses the processing of the message request if the cardholder does not enter a loyalty card.

### 27.2.3.58 LoyaltyTypeTransactionTotals1Code

*Definition:* Type of Loyalty transaction.

*Type:* CodeSet

CodeName	Name	Definition
AWRD	Award	Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates.
REBA	Rebate	Rebate on a total amount, sale item amount, or sale items.
REDE	Redemption	Redemption on a loyalty account.
AWRR	ReverseAward	Refund of a loyalty award transaction.
REBR	ReverseRebate	Refund of a loyalty rebate transaction.
REDR	ReverseRedemption	Refund of a loyalty redemption transaction.

### 27.2.3.59 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.

### 27.2.3.60 MessageFunction42Code

Definition: Type of message supporting a service.

Type: CodeSet

CodeName	Name	Definition
AUTQ	AuthorisationRequest	The initiator requests an authorisation without financial impact to complete the transaction.
AUTP	AuthorisationResponse	Response for authorisation without financial capture.
CCAV	CancellationAdvice	Advice for cancellation.
CCAK	CancellationAdviceResponse	Advice response for cancellation.
CCAQ	CancellationRequest	Request for cancellation.
CCAP	CancellationResponse	Response for cancellation.
CMPV	CompletionAdvice	Advice for completion without financial capture.
CMPK	CompletionAdviceResponse	Advice response for completion without financial capture.
DCAV	CurrencyConversionAdvice	Advice for dynamic currency conversion.
DCRR	CurrencyConversionAdviceResponse	Advice response for the currency conversion from the service provider to the acceptor.
DCCQ	CurrencyConversionRequest	Request for dynamic currency conversion.
DCCP	CurrencyConversionResponse	Response from a dynamic currency conversion.
DGNP	DiagnosticRequest	Request for diagnostic.
DGNQ	DiagnosticResponse	Response for diagnostic.
FAUQ	FinancialAuthorisationRequest	Request for authorisation with financial capture.
FAUP	FinancialAuthorisationResponse	Response for authorisation with financial capture.

CodeName	Name	Definition
FCMV	FinancialCompletionAdvice	Advice for completion with financial capture.
FCMK	FinancialCompletionAdviceResponse	Advice response for completion with financial capture.
FRVA	FinancialReversalAdvice	Advice for reversal with financial capture.
FRVR	FinancialReversalAdviceResponse	Advice response for reversal with financial capture.
RCLQ	ReconciliationRequest	Request for reconciliation.
RCLP	ReconciliationResponse	Response for reconciliation.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVRR	ReversalAdviceResponse	Advice response for reversal without financial capture.
CDDQ	CardDebitAdvice	Advice for a Card Direct Debit.
CDDK	CardDebitAdviceResponse	Response to a Card Direct Debit Advice.
CDDR	CardDebitRequest	Request to initiate a Card Direct Debit.
CDDP	CardDebitResponse	Response to a Card Direct Debit Request.
TRNR	TransactionAdviceResponse	Response to a transaction advice.
TRNA	TransactionAdvice	Advise of the transaction's processing.
NFRQ	NonFinancialRequest	Initiator of the message requests additional information to the receiver.
NFRP	NonFinancialResponse	Provision of additional information to the issuer of a NonFinancialRequest.
TRPQ	TransactionReportRequest	Request to receive of a report of transaction from the issuer to the receiver.
TRPP	TransactionReportResponse	Response to provide a sanitized report of transactions.

### 27.2.3.61 MessageFunction9Code

*Definition:* Identifies the message function within a card payment exchange.

*Type:* CodeSet

CodeName	Name	Definition
RJCQ	AcceptorRequestReject	Reject of a request or an advice message by an acquirer or an agent.
RJCP	AcceptorResponseReject	Reject of a response or an advice response message by a card acceptor or an agent.

### 27.2.3.62 NetworkType1Code

*Definition:* Type of communication network.



Type: CodeSet

CodeName	Name	Definition
IPNW	InternetProtocol	Protocol of an IP network.
PSTN	PublicTelephone	Protocol of a Public Switched Telephone Network (PSTN).

### 27.2.3.63 NonFinancialRequestType1Code

*Definition:* Type of non financial request that could be processed between an Acceptor and an Intermediary Agent or an Acquirer.

Type: CodeSet

CodeName	Name	Definition
ACQR	AcquirerSelection	According to several parameters of a transaction, an Intermediary Agent helps an Acceptor to identify the more relevant Acquirer to process the transaction.
PARQ	ParRequest	The Intermediary Agent or Acquirer provides the PaymentAccountReference to use to process the transaction.
RISK	RiskManagement	The Intermediary Agent or Acquirer helps the Acceptor to assess the risk management of the transaction.
TOKN	TokenRequest	The Intermediary Agent or Acquirer provides the token to use to process the transaction.

### 27.2.3.64 NonFinancialResponseRisk1Code

*Definition:* Type of risk management answer from an Acquirer (or its IntermediaryAgent) to aPOI through a NonFinancialResponse.

Type: CodeSet

CodeName	Name	Definition
DECL	Decline	A decline of the transaction is expected by the POI to manage risk.
NCHG	LocallyManaged	The POI is able to assess the risk by himself.
ONLN	RequestOnline	An authorisation is expected from the POI to manage risk.

### 27.2.3.65 OnLineCapability1Code

*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.

CodeName	Name	Definition
SMON	SemiOffLine	Off-line capable with possible on-line requests to the acquirer.

### 27.2.3.66 OnLineReason2Code

*Definition:* Reason to process an online authorisation.

*Type:* CodeSet

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

### 27.2.3.67 Operator1Code

*Definition:* Code containing the operator used to indicate the relationship between a variable and a fixed value.

*Type:* CodeSet

CodeName	Name	Definition
SMAL	SmallerThan	Smaller than.
SMEQ	SmallerOrEqualTo	Smaller or equal to.
GREA	GreaterThan	Greater than.
GREQ	GreaterOrEqualTo	Greater or equal to.
EQAL	EqualTo	Equal to.

**27.2.3.68 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.

**27.2.3.69 OutputFormat3Code***Definition:* Type of output format.*Type:* CodeSet

CodeName	Name	Definition
BARC	Barcode	Barcode to output in several possible format.
MENT	MenuEntry	A text to display as a menu before requesting an input.
MREF	MessageReference	Predefined configured messages, identified by a reference.
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

**27.2.3.70 PartyType14Code***Definition:* Identification of the type of entity involved in a transaction.*Type:* CodeSet

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.

CodeName	Name	Definition
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
ICCA	CardApplication	Application in the smart card.

### 27.2.3.71 PartyType33Code

*Definition:* Identification of the type of entity involved in a transaction.

*Type:* CodeSet

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
MTMG	MasterTerminalManager	Responsible for the maintenance of a card payment acceptance terminal.
TAXH	TaxAuthority	Tax authority.
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.

### 27.2.3.72 PartyType3Code

*Definition:* Identification of the type of entity involved in a transaction.

*Type:* CodeSet

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.

CodeName	Name	Definition
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

### 27.2.3.73 PartyType4Code

*Definition:* Entity assigning an identification (for example merchant, acceptor, acquirer, tax authority, etc.).

*Type:* CodeSet

CodeName	Name	Definition
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
TAXH	TaxAuthority	Tax authority.

### 27.2.3.74 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.

### 27.2.3.75 PaymentInstrumentType1Code

*Definition:* Type of payment instrument.

*Type:* CodeSet

CodeName	Name	Definition
CARD	Card	Payment card (credit or debit).

CodeName	Name	Definition
CASH	Cash	Cash managed by a cash handling system.
CHCK	Check	Paper check.
LOYT	LoyaltyAccount	Account using loyalty processing.
SVAC	StoredValueAccount	Account accessed by a stored value instrument such as a card or a certificate.

### 27.2.3.76 PINFormat3Code

*Definition:* PIN (Personal Identification Number) format used before encryption.

*Type:* CodeSet

CodeName	Name	Definition
ISO0	ISO0	PIN diversified with the card account number, conforming to the standard ISO 9564-2.
ISO1	ISO1	PIN completed with random padding characters, conforming to the standard ISO 9564-2.
ISO2	ISO2	PIN without diversification characters, conforming to the standard ISO 9564-2.
ISO3	ISO3	PIN diversified with the card account number and random characters, conforming to the standard ISO 9564-2.
ISO4	ISO4	PIN format used with AES encryption, conforming to the new ISO SC2 format.
ISO5	ISO5	Alternative PIN format used with AES encryption, conforming to the new ISO SC2 format.

### 27.2.3.77 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.

### 27.2.3.78 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.

### 27.2.3.79 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.

### 27.2.3.80 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.

CodeName	Name	Definition
OUTD	OutOfOrder	Component not working properly.
OPER	InOperation	Component activated and in operation.
DACT	Deactivated	Component has been deactivated.

### 27.2.3.81 POIComponentType6Code

*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).
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.
LOGF	LogFile	Any repository used for recording log traces.
MDFL	MediaFile	Media file managed by an application of the POI.
SOFT	Soft	Payment or other software application.
CONF	ConfigurationFile	Configuration file relevant for the POI.
RPFL	ReportFile	Report file generated by the POI.

### 27.2.3.82 QRCodeEncodingMode1Code

*Definition:* Encoding Mode of Quick Response Code.

*Type:* CodeSet

CodeName	Name	Definition
ALFA	Alphanumeric	Alphanumeric value provided in Barcode field.
BINA	Binary	Binary value provided in Quick Response Code Binary Value.
KANJ	Kanji	Kanji value provided in Quick Response Code Binary Value.
NUME	Numeric	Numeric value provided in Barcode field.

### 27.2.3.83 QRCodeErrorCorrection1Code

*Definition:* Error Correction mode of Quick Response Code.

*Type:* CodeSet

CodeName	Name	Definition
M015	ErrorCorrection15Percent	Reed-Solomon error correction 15%
Q025	ErrorCorrection25Percent	Reed-Solomon error correction 25%
H030	ErrorCorrection30Percent	Reed-Solomon error correction 30%
L007	ErrorCorrection7Percent	Reed-Solomon error correction 7%

### 27.2.3.84 RejectReason1Code

*Definition:* Reason of transmission of a rejection message in response to a request or an advice.

*Type:* CodeSet

CodeName	Name	Definition
UNPR	UnableToProcess	Not possible to process the message, for instance the security module is unavailable, the hardware is unavailable, or there is a problem of resource.
IMSG	InvalidMessage	Invalid envelope of the message.

CodeName	Name	Definition
PARS	ParsingError	Invalid message: At least one of the data element or data structure is not present, the format, or the content of one data element or one data structure is not correct.
SECU	Security	Security error (for example an invalid key or an incorrect MAC value).
INTP	InitiatingParty	Invalid identification data for the sender.
RCPD	RecipientParty	Invalid identification data for the the receiver.
DPMG	DuplicateMessage	Duplicate message, the identification of the exchange is the same than a previous message.
VERS	ProtocolVersion	Version of the protocol couldn't be supported by the recipient.
MSGT	MessageType	Type of message the recipient receives is unknow or unsupported.

### 27.2.3.85 Response11Code

*Definition:* Result of the processing of the message

*Type:* CodeSet

CodeName	Name	Definition
WARN	Warning	An additional Response Code, mainly a functional one, should be considered to identify the outcome of the request.
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.

### 27.2.3.86 Response1Code

*Definition:* Response code of a transaction.

*Type:* CodeSet

CodeName	Name	Definition
DECL	Declined	Service is declined.
APPR	Approved	Service has been successfully provided.
PART	PartialApproved	Service has been partially provided.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**27.2.3.87 Response9Code***Definition:* Result of the performed service.*Type:* CodeSet

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
SUSP	Suspended	Transaction has been received but hasn't been processed.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

**27.2.3.88 RetailerResultDetail1Code***Definition:* Result of the processing of the message*Type:* CodeSet

CodeName	Name	Definition
ABRT	Aborted	The Initiator of the request has sent an Abort message request, which was accepted and processed.
BUSY	Busy	The system is busy, try later.
CANC	Cancel	The user has aborted the transaction on the PED keyboard, for instance during PIN entering.
DEVO	DeviceOut	Device out of order.
WPIN	WrongPIN	The user has entered the PIN on the PED keyboard and the verification fails.
NHOS	UnreachableHost	Acquirer or any host is unreachable or has not answered to an online request, so is considered as temporary unavailable. Depending on the Sale context, the request could be repeated (to be compared with "Refusal").
UNVS	UnavailableService	The service is not available (not implemented, not configured, protocol version too old...).
UNVD	UnavailableDevice	The hardware is not available (absent, not configured...).
REFU	Refusal	The transaction is refused by the host or by the local rules associated to the card or the POI.
PAYR	PaymentRestriction	Some sale items are not payable by the card proposed by the Customer.
TNFD	NotFound	The transaction is not found (e.g. for a reversal or a repeat).

CodeName	Name	Definition
NALW	NotAllowed	A service request is sent during a Service dialogue. A combination of services not possible to provide. During the DeviceInitialisationCardReader message processing, the user has entered a card which has to be protected by the POI, and cannot be processed with this device request from the external, and then the Sale System.
LOUT	LoggedOut	Not logged in.
IVCA	InvalidCard	The card entered by the Customer cannot be processed by the POI because this card is not configured in the system.
ICAR	InsertedCard	If the Input Device request a NotifyCardInputFlag and the Customer enters a card in the card reader without answers to the Input command, the POI abort the Input command processing, and answer a dedicated ErrorCondition value in the Input response message.
WIPG	InProgress	The transaction is still in progress and then the command cannot be processed.

### 27.2.3.89 RetailerService6Code

*Definition:* List of specific services for ReportRequest.

*Type:* CodeSet

CodeName	Name	Definition
RPTQ	AdministrativeReportTransactionRequest	The Sale System requests to the POI System a report on a list of transactions.
RPAQ	AdministrativeReportGetTotalsRequest	The Sale System requests to the POI System a report on the totals figures of the POI system.

### 27.2.3.90 RetailerService7Code

*Definition:* List of specific services for ReportResponse.

*Type:* CodeSet

CodeName	Name	Definition
RPTP	AdministrativeReportTransactionResponse	The POI System responds to a transaction report request.
RPAP	AdministrativeReportGetTotalsResponse	The POI System responds to a totals figures request.

### 27.2.3.91 SaleCapabilities1Code

*Definition:* Hardware capabilities of the Sale Terminal.

*Type:* CodeSet

CodeName	Name	Definition
CHDI	CashierDisplay	Standard Cashier display interface (to ask question, or to show information).
CHER	CashierError	To display to the Cashier information related to an error situation occurring on the POI.
CHIN	CashierInput	Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). The output device attached to this input device is the CashierDisplay device.
CHST	CashierStatus	To display to the Cashier a new state on which the POI is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer.
CUDI	CustomerDisplay	Standard Customer display interface used by the POI System to ask question, or to show information to the Customer inside a Service dialogue.
CUAS	CustomerAssistance	Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer.
CUER	CustomerError	To display to the Customer information is related to an error situation occurring on the Sale Terminal during a Sale transaction.
CUIN	CustomerInput	Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element).
POIR	POIReplication	Information displayed on the Cardholder POI interface, replicated on the Cashier interface.
PRDC	PrinterDocument	When the POI System wants to print specific document (check, dynamic currency conversion ...).
PRRP	PrinterReceipt	Printer for the Payment receipt.
PRVC	PrinterVoucher	Coupons, voucher or special ticket generated by the POI and to be printed.

### 27.2.3.92 SaleTokenScope1Code

*Definition:* Scope of the token that identifies the payment mean of the customer.

*Type:* CodeSet

CodeName	Name	Definition
MULT	MultipleUse	The token is generated to recognise a customer for a longer period.
SNGL	SingleUse	The token is generated to recognise a customer during the lifetime of a transaction.

**27.2.3.93 StoredValueAccountType1Code**

*Definition:* Type of stored value account.

*Type:* CodeSet

CodeName	Name	Definition
BNKA	BankPrepaidAccount	Prepaid account managed by a financial institution for low income customers.
CWVC	CarwashVoucher	Car wash specific account.
CPYA	CompanyPrepaidAccount	Specific prepaid account for companies or professionals expenses.
ELMY	ElectronicMoneyAccount	Account supporting e-money issued by an electronic money issuer.
GIFT	GiftCard	Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once.
GCER	GiftCertificate	Certificate to be given to a customer. Usually one shot voucher.
MLVC	MealVoucher	Meal and check voucher for restaurants.
OLVC	OnlineVoucher	Voucher that can be used online once or in several times.
MERC	MerchantAccount	Prepaid account open with a merchant or big retailers.
OTHR	OtherPrepaidAccount	Other non listed stored value instrument.
PHON	PhoneCard	Stored value instrument used to pay telephone services (e.g. card or identifier).
CARD	SmartCardTag	Stored value account hold on the chip of a smart card.
TRVL	Travel	Travel prepaid account.

**27.2.3.94 SupportedPaymentOption2Code**

*Definition:* Specifies the options supported for a payment transaction.

*Type:* CodeSet

CodeName	Name	Definition
PART	PartialApproval	The entity supports a partial approval of the payment transaction.
MSRV	PaymentApprovalOnly	The entity supports the approval of the payment service along with the decline of additional requested services (as cash-back).
INSI	IssuerInstalment	The sender support IssuerInstalment proposals to the Cardholder.
PINQ	PINRequest	The sender is able to support Single Tap transaction.

**27.2.3.95 TMSContactLevel1Code**

*Definition:* Level of urgency in contacting the terminal management system.

*Type:* CodeSet

CodeName	Name	Definition
CRIT	Critical	Terminal management system has to be contacted before the next transaction.
ASAP	AsSoonAsPossible	Terminal management system has to be contacted as soon as possible (for example after reconciliation).
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.

**27.2.3.96 TotalDetails1Code**

*Definition:* Indicates the hierarchical structure of the reconciliation result of the Sale to POI reconciliation.

*Type:* CodeSet

CodeName	Name	Definition
OPID	PerCashierIdentification	Give the totals result per Operator Identification value.
PIID	PerPOIIdentification	Give the totals result per POI Identification value.
TGID	PerTotalsGroup	Give the totals result per Totals Group Identification value.
SNID	PerShiftNumber	Give the totals result per Shift Number Identification value.
SAID	PerSaleIdentification	Give the totals result per Sale Identification value.

**27.2.3.97 TrackFormat1Code**

*Definition:* Use to identify format of a track on a card or other documents like checks.

*Type:* CodeSet

CodeName	Name	Definition
AAMV	AAMVAFormat	American driver license.
CMC7	CMC7CheckFormat	Magnetic Ink Character Recognition, using the CMC-7 font - ISO 1004 Line at the bottom of a check containing the bank account and the check number.
E13B	E13BCheckFormat	Magnetic Ink Character Recognition, using the E-13B font) Line at the bottom of a check containing the bank account and the check number.
ISOF	ISOFormat	ISO card track format - ISO 7813 - ISO 4909.
JIS1	JISIFormat	Japanese track format I.

CodeName	Name	Definition
JIS2	JISIIFormat	Japanese track format II.

### 27.2.3.98 TransactionChannel5Code

*Definition:* Identifies the type of the communication channels used by the cardholder to the acceptor system.

*Type:* CodeSet

CodeName	Name	Definition
MAIL	MailOrder	Mail order.
TLPH	TelephoneOrder	Telephone order.
ECOM	ElectronicCommerce	Electronic commerce.
TVPY	TelevisionPayment	Payment on television.
SECM	SecuredElectronicCommerce	Electronic commerce with cardholder authentication.
MOBL	MobilePayment	Payment performed through a cardholder mobile device.
MPOS	MobilePOS	Payment performed through a merchant mobile device.

### 27.2.3.99 TransactionEnvironment1Code

*Definition:* Indicates the environment of the transaction.

*Type:* CodeSet

CodeName	Name	Definition
MERC	Merchant	Merchant environment.
PRIV	Private	Private environment.
PUBL	Public	Public environment.

### 27.2.3.100 TypeOfAmount8Code

*Definition:* Qualifies the amount associated with the transaction.

*Type:* CodeSet

CodeName	Name	Definition
ACTL	Actual	Actual 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).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.



CodeName	Name	Definition
DECR	Decremental	Decremental amount for reservation.
RESD	Reserved	Reserved or updated reserved amount for reservation.

### 27.2.3.101 TypeTransactionTotals2Code

*Definition:* Identification of the type of transactions which are included in the totals.

*Type:* CodeSet

CodeName	Name	Definition
CRDT	Credit	Credit transactions (refund, account, cash service, as defined in the transaction service type).
CRDR	CreditReverse	Reversal of credit transactions (cancellation).
DEBT	Debit	Debit transactions on the cardholder account.
DBTR	DebitReverse	Reversal of debit transactions (cancellation).
DECL	Declined	Declined transactions.
FAIL	Failed	Failed transactions.

### 27.2.3.102 TypeTransactionTotals3Code

*Definition:* Additional attribute of the service type for totals.

*Type:* CodeSet

CodeName	Name	Definition
CRDT	Credit	Credit transactions (refund, account, cash service, as defined in the transaction service type).
CRDR	CreditReverse	Reversal of credit transactions (cancellation).
DEBT	Debit	Debit transactions on the cardholder account.
DBTR	DebitReverse	Reversal of debit transactions (cancellation).
DECL	Declined	Declined transactions.
FAIL	Failed	Failed transactions.
RESV	Reservation	Outstanding Reservation transactions.

### 27.2.3.103 UnitOfMeasure6Code

*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.
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.

CodeName	Name	Definition
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.
KWHO	KilowattHours	Unit of measure that is equal to the power consumption of one kilowatt during one hour.
DGEU	DieselGallonEquivalent	Amount of fuel alternative equal to one gallon of diesel.
GGEU	GasolineGallonEquivalent	Amount of fuel alternative equal to one gallon of gasoline.

### 27.2.3.104 UserInterface4Code

*Definition:* Destination of the 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.

### 27.2.3.105 Verification1Code

*Definition:* Result of the verification.

*Type:* CodeSet

CodeName	Name	Definition
FAIL	Failed	Verification failed.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

## 27.2.4 Date

### 27.2.4.1 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

## 27.2.5 DateTime

### 27.2.5.1 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

## 27.2.6 IdentifierSet

### 27.2.6.1 AnyBICDec2014Identifier

*Definition:* Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".

*Type:* IdentifierSet

*Identification scheme:* SWIFT; AnyBICIdentifier

#### Format

pattern [A-Z0-9]{4,4}[A-Z]{2,2}[A-Z0-9]{2,2}([A-Z0-9]{3,3}){0,1}

#### Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

### 27.2.6.2 BBANIdentifier

*Definition:* Basic Bank Account Number (BBAN). Identifier used nationally by financial institutions, ie, in individual countries, generally as part of a National Account Numbering Scheme(s), which uniquely identifies the account of a customer.

*Type:* IdentifierSet

*Identification scheme:* National Banking Association; Basic Bank Account Number

#### Format

pattern [a-zA-Z0-9]{1,30}

### 27.2.6.3 IBAN2007Identifier

*Definition:* The International Bank Account Number is a code used internationally by financial institutions to uniquely identify the account of a customer at a financial institution as described in the 2007 edition of the ISO 13616 standard "Banking and related financial services - International Bank Account Number (IBAN)" and replaced by the more recent edition of the standard.

*Type:* IdentifierSet

*Identification scheme:* National Banking Association; International Bank Account Number (ISO 13616)

#### Format

pattern [A-Z]{2,2}[0-9]{2,2}[a-zA-Z0-9]{1,30}

**Constraints**

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

**27.2.6.4 UPICIdentifier**

*Definition:* Universal Payment Identification Code (UPIC). Identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

*Type:* IdentifierSet

*Identification scheme:* The Clearing House (formerly The New York Clearing House); Universal Payment Identification Code

**Format**

pattern	[0-9]{8,17}
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**27.2.7 Indicator****27.2.7.1 PlusOrMinusIndicator**

*Definition:* Indicates a positive or negative value.

*Type:* Indicator

*Meaning When True:* Plus

*Meaning When False:* Minus

**27.2.7.2 TrueFalseIndicator**

*Definition:* A flag indicating a True or False value.

*Type:* Indicator

*Meaning When True:* True

*Meaning When False:* False

**27.2.8 Quantity****27.2.8.1 DecimalNumber**

*Definition:* Number of objects represented as a decimal number, for example 0.75 or 45.6.

*Type:* Quantity

**Format**

totalDigits	18
fractionDigits	17

## 27.2.8.2 Number

*Definition:* Number of objects represented as an integer.

*Type:* Quantity

### Format

totalDigits	18
fractionDigits	0

## 27.2.8.3 PositiveNumber

*Definition:* Number of objects represented as a positive integer.

*Type:* Quantity

### Format

minInclusive	1
totalDigits	18
fractionDigits	0

## 27.2.9 Rate

### 27.2.9.1 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

### 27.2.9.2 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

## 27.2.10 Text

### 27.2.10.1 Exact3AlphaNumericText

*Definition:* Specifies an alphanumeric string with a length of exact 3 characters.

*Type:* Text

**Format**

pattern	[a-zA-Z0-9]{3}
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### 27.2.10.2 Exact3NumericText

*Definition:* Specifies a numeric string with an exact length of 3 digits.

*Type:* Text

**Format**

pattern	[0-9]{3}
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### 27.2.10.3 Exact4NumericText

*Definition:* Specifies a numeric string with an exact length of 4 digits.

*Type:* Text

**Format**

pattern	[0-9]{4}
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### 27.2.10.4 Max1025Text

*Definition:* Specifies a character string with a maximum length of 1025 characters.

*Type:* Text

**Format**

minLength	1
maxLength	1025

### 27.2.10.5 Max104Text

*Definition:* Specifies a character string with a maximum length of 104 characters.

*Type:* Text

**Format**

minLength	1
maxLength	104

### 27.2.10.6 Max10Text

*Definition:* Specifies a character string with a maximum length of 10 characters.



*Type:* Text

**Format**

minLength	1
maxLength	10

### 27.2.10.7 Max11NumericText

*Definition:* Specifies a numeric string with a maximum length of 11 digits.

*Type:* Text

**Format**

pattern	[0-9]{1,11}
---------	-------------

### 27.2.10.8 Max140Text

*Definition:* Specifies a character string with a maximum length of 140 characters.

*Type:* Text

**Format**

minLength	1
maxLength	140

### 27.2.10.9 Max15NumericText

*Definition:* Specifies a numeric string with a maximum length of 15 digits.

*Type:* Text

**Format**

pattern	[0-9]{1,15}
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### 27.2.10.10 Max16Text

*Definition:* Specifies a character string with a maximum length of 16 characters.

*Type:* Text

**Format**

minLength	1
maxLength	16

### 27.2.10.11 Max19NumericText

*Definition:* Specifies a numeric string with a maximum length of 19 digits.

*Type:* Text

**Format**

pattern	[0-9]{1,19}
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**27.2.10.12 Max20000Text**

*Definition:* Specifies a character string with a maximum length of 20, 000 characters.

*Type:* Text

**Format**

minLength	1
maxLength	20000

**27.2.10.13 Max256Text**

*Definition:* Specifies a character string with a maximum length of 256 characters.

*Type:* Text

**Format**

minLength	1
maxLength	256

**27.2.10.14 Max2NumericText**

*Definition:* Specifies a numeric string with a maximum length of 2 digits.

*Type:* Text

**Format**

pattern	[0-9]{1,2}
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**27.2.10.15 Max30Text**

*Definition:* Specifies a character string with a maximum length of 30 characters.

*Type:* Text

**Format**

maxLength	30
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**27.2.10.16 Max350Text**

*Definition:* Specifies a character string with a maximum length of 350 characters.

*Type:* Text

**Format**

minLength	1
maxLength	350

### 27.2.10.17 Max35NumericText

*Definition:* Specifies a numeric string with a maximum length of 35 digits.

*Type:* Text

#### Format

pattern	[0-9]{1,35}
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### 27.2.10.18 Max35Text

*Definition:* Specifies a character string with a maximum length of 35 characters.

*Type:* Text

#### Format

minLength	1
maxLength	35

### 27.2.10.19 Max37Text

*Definition:* Specifies a character string with a maximum length of 37 characters.

*Type:* Text

#### Format

minLength	1
maxLength	37

### 27.2.10.20 Max3NumericText

*Definition:* Specifies a numeric string with a maximum length of 3 digits.

*Type:* Text

#### Format

pattern	[0-9]{1,3}
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### 27.2.10.21 Max3Text

*Definition:* Specifies a character string with a maximum length of 3 characters.

*Type:* Text

#### Format

minLength	1
maxLength	3

### 27.2.10.22 Max45Text

*Definition:* Specifies a character string with a maximum length of 45 characters.

*Type:* Text

**Format**

minLength	1
maxLength	45

### 27.2.10.23 Max500Text

*Definition:* Specifies a character string with a maximum length of 500 characters.

*Type:* Text

**Format**

minLength	1
maxLength	500

### 27.2.10.24 Max5NumericText

*Definition:* Specifies a numeric string with a maximum length of 5 digits.

*Type:* Text

**Format**

pattern	[0-9]{1,5}
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### 27.2.10.25 Max6Text

*Definition:* Specifies a character string with a maximum length of 6 characters.

*Type:* Text

**Format**

minLength	1
maxLength	6

### 27.2.10.26 Max70Text

*Definition:* Specifies a character string with a maximum length of 70characters.

*Type:* Text

**Format**

minLength	1
maxLength	70

### 27.2.10.27 Max76Text

*Definition:* Specifies a character string with a maximum length of 76 characters.

*Type:* Text

**Format**

minLength	1
maxLength	76

**27.2.10.28 Max8000Text**

*Definition:* Specifies a character string with a maximum length of 8000 characters.

*Type:* Text

**Format**

minLength	1
maxLength	8000

**27.2.10.29 Max8Text**

*Definition:* Specifies a character string with a maximum length of 8 characters.

*Type:* Text

**Format**

minLength	1
maxLength	8

**27.2.10.30 Max9NumericText**

*Definition:* Specifies a numeric string with a maximum length of 9 digits.

*Type:* Text

**Format**

pattern	[0-9]{1,9}
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**27.2.10.31 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}
---------	---------------

**27.2.10.32 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}
---------	------------

**27.2.10.33 Min3Max4Text**

*Definition:* Specifies a character string with a minimum length of 3 characters, and a maximum length of 4 characters.

*Type:* Text

**Format**

minLength	3
maxLength	4

**27.2.10.34 Min6Max8Text**

*Definition:* Specifies a character string with a minimum length of 6 characters, and a maximum length of 8 characters.

*Type:* Text

**Format**

minLength	6
maxLength	8

**27.2.10.35 Min8Max28NumericText**

*Definition:* Specifies a numeric string with a minimum length of 8 digits, and a maximum length of 28 digits.

*Type:* Text

**Format**

pattern	[0-9]{8,28}
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**27.2.10.36 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}
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