

ISO 20022

Card Sale To POI - Merchant to Acceptor - 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 Sale To POI - Merchant to Acceptor - 2021 - 2022.

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1 Message Set Overview

Introduction

Set of messages that support card-related, financial services between a Sale System and a Point of Interaction (POI) system.

1.1 List of MessageDefinitions

The following table lists all MessageDefinitions described in this book.

MessageDefinition	Definition
casp.001.001.04 SaleToPOIServiceRequestV04	This SaleToPOIServiceRequest message is sent by a sale system to trig a financial service on POI system.
casp.002.001.04 SaleToPOIServiceResponseV04	The SaleToPOIServiceResponse message is sent by a POI to provide the outcome of a financial service.
casp.003.001.04 SaleToPOIReconciliationRequestV04	The SaleToPOIReconciliationRequest message is sent by a sale system to request for reconciliation between sale and POI systems.
casp.004.001.04 SaleToPOIReconciliationResponseV04	The SaleToPOIReconciliationResponse message is sent by a POI to provide the result of reconciliation process between sale and POI systems.
casp.005.001.04 SaleToPOISessionManagementRequestV04	The SaleToPOISessionManagementRequest message is sent by a sale system to select an administrative service related to session management.
casp.006.001.04 SaleToPOISessionManagementResponseV04	The SaleToPOISessionManagementResponse message is sent by a POI to provide the result of an administrative service related to session management.
casp.007.001.04 SaleToPOIAdministrativeRequestV04	The SaleToPOIAdministrativeRequest message is sent by a sale system to POI System to request for an Administrative service.
casp.008.001.04 SaleToPOIAdministrativeResponseV04	The SaleToPOIAdministrativeResponse message is sent by a POI System to a sale system to provide response to an administrative service.
casp.009.001.04 SaleToPOIReportRequestV04	The SaleToPOIReportRequest message is sent by sale system to request a report service.
casp.010.001.04 SaleToPOIReportResponseV04	This SaleToPOIReportResponse message is sent by a POI to provide the report previously expected by a sale system.
casp.011.001.04 SaleToPOIAbortV04	The SaleToPOIAbort message is sent by a sale system to abort process on POI.
casp.012.001.04 SaleToPOIEventNotificationV04	The SaleToPOIEventNotification message is sent by a POI or a sale terminal to inform the other about the happening of an event.
casp.013.001.02 SaleToPOIMessageRejectionV02	The SaleToPOIMessageRejection message is sent by one of the parties when it detects a technical or functional error in a previous received message.
casp.014.001.04 SaleToPOIMessageStatusRequestV04	The SaleToPOIMessageStatusRequest message is sent by a sale system when the sale system wants to know the status of previous message that has not be answered.

MessageDefinition	Definition
casp.015.001.04 SaleToPOIMessageStatusResponseV04	The SaleToPOIMessageStatusResponse message is sent by a POI System to respond to the sale system at a previous message status request.
casp.016.001.04 SaleToPOIDeviceRequestV04	The SaleTOPOIDeviceRequest message is sent by the sale system to POI system to request a device service.
casp.017.001.04 SaleToPOIDeviceResponseV04	The SaleToPOIDeviceResponse message is sent by a POI System to sale system to provide result of a device request.

2 casp.001.001.04 SaleToPOIServiceRequestV04

2.1 MessageDefinition Functionality

This SaleToPOIServiceRequest message is sent by a sale system to trig a financial service on POI system.

Outline

The SaleToPOIServiceRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Set of characteristics related to the transfer of the request.
- B. ServiceRequest
Information related to a service request.
- C. SecurityTrailer
Trailer of the message containing a MAC or a digital signature.

2.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOISvcReq>	[1..1]			
	Header <Hdr>	[1..1]			14
	MessageFunction <MsgFctn>	[1..1]	CodeSet		14
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		15
	ExchangeIdentification <XchgId>	[1..1]	Text		15
	CreationDateTime <CreDtTm>	[1..1]	DateTime		15
	InitiatingParty <InitgPty>	[1..1]	±		15
	RecipientParty <RcptPty>	[0..1]	±		16
	Traceability <Tracblt>	[0..*]	±		17
	ServiceRequest <SvcReq>	[1..1]			17
	Environment <Envt>	[1..1]	±		22
	Context <Cntxt>	[1..1]	±		28
	ServiceContent <SvcCntt>	[1..1]	CodeSet		31
	PaymentRequest <PmtReq>	[0..1]			31
	PaymentTransaction <PmtTx>	[0..1]	±		32
	LoyaltyData <LltyData>	[0..*]			36
	CustomerOrder <CstmrOrd>	[0..1]	±		37
	Account <Acct>	[0..1]	±		37
	Amount <Amt>	[0..1]			38
	Unit <Unit>	[0..1]	CodeSet		38
	Currency <Ccy>	[0..1]	CodeSet	C1	38
	Amount <Amt>	[1..1]	Amount		39
	ReversalRequest <RvslReq>	[0..1]			39
	ReversalTransaction <RvslTx>	[0..1]	±		39
	LoyaltyData <LltyData>	[0..*]			43
	CustomerOrder <CstmrOrd>	[0..1]	±		44
	Account <Acct>	[0..1]	±		44
	Amount <Amt>	[0..1]			45
	Unit <Unit>	[0..1]	CodeSet		45
	Currency <Ccy>	[0..1]	CodeSet	C1	45

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		46
	ReversalReason <RvslRsn>	[1..1]	CodeSet		46
	ReversedAmount <RvsdAmt>	[0..1]	Amount		46
	CustomerOrder <CstmrOrdr>	[0..1]	±		46
	BalanceInquiryRequest <BalInqryReq>	[0..1]			47
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		49
	PaymentAccountRequest <PmtAcctReq>	[0..1]			49
	AccountType <AcctTp>	[0..1]	CodeSet		49
	CustomerOrder <CstmrOrdr>	[0..1]	±		50
	AccountReference <AcctRef>	[0..1]	Text		50
	LoyaltyAccountRequest <LtyAcctReq>	[0..1]			51
	CustomerOrder <CstmrOrdr>	[0..1]	±		51
	Account <Acct>	[0..1]	±		51
	StoredValueAccountRequest <StordValAcctReq>	[0..1]			52
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		53
	Data <Data>	[1..*]			54
	Provider <Prvdr>	[0..1]	Text		54
	TransactionType <TxTp>	[1..1]	CodeSet		54
	AccountIdentification <AcctId>	[0..1]			55
	AccountType <AcctTp>	[0..1]	CodeSet		55
	IdentificationType <IdTp>	[0..1]	CodeSet		56
	Identification <Id>	[0..1]	Text		56
	Brand <Brnd>	[0..1]	Text		57
	Provider <Prvdr>	[0..1]	Text		57
	OwnerName <OwnrNm>	[0..1]	Text		57
	ExpiryDate <XpryDt>	[0..1]	Text		57
	EntryMode <NtryMd>	[0..1]	CodeSet		57
	Currency <Ccy>	[0..1]	CodeSet	C1	58
	Balance <Bal>	[0..1]	Amount		58
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		58
	ProductCode <PdctCd>	[0..1]	Text		62

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	EANUPC <EANUPC>	[0..1]	Text		63
	ItemAmount <ItmAmt>	[0..1]	Amount		63
	Currency <Ccy>	[0..1]	CodeSet	C1	63
	HostTransactionIdentification <HstTxId>	[0..1]	±		63
	LoyaltyRequest <LtyReq>	[0..1]			63
	CustomerOrder <CstmrOrdr>	[0..1]	±		64
	Transaction <Tx>	[1..1]			65
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		65
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		66
	Currency <Ccy>	[0..1]	CodeSet	C1	66
	TotalAmount <TtlAmt>	[0..1]	Amount		66
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		67
	SaleItem <SaleItm>	[0..*]	±		71
	Data <Data>	[0..*]			72
	CustomerOrder <CstmrOrdr>	[0..1]	±		72
	Account <Acct>	[0..1]	±		73
	Amount <Amt>	[0..1]			73
	Unit <Unit>	[0..1]	CodeSet		74
	Currency <Ccy>	[0..1]	CodeSet	C1	74
	Amount <Amt>	[1..1]	Amount		74
	StoredValueRequest <StordValReq>	[0..1]			74
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		75
	Data <Data>	[1..*]			76
	Provider <Prvdr>	[0..1]	Text		76
	TransactionType <TxTp>	[1..1]	CodeSet		76
	AccountIdentification <AcctId>	[0..1]			77
	AccountType <AcctTp>	[0..1]	CodeSet		77
	IdentificationType <IdTp>	[0..1]	CodeSet		78
	Identification <Id>	[0..1]	Text		78
	Brand <Brnd>	[0..1]	Text		79
	Provider <Prvdr>	[0..1]	Text		79

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OwnerName <OwnrNm>	[0..1]	Text		79
	ExpiryDate <XpryDt>	[0..1]	Text		79
	EntryMode <NtryMd>	[0..1]	CodeSet		79
	Currency <Ccy>	[0..1]	CodeSet	C1	80
	Balance <Bal>	[0..1]	Amount		80
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		80
	ProductCode <PdctCd>	[0..1]	Text		84
	EANUPC <EANUPC>	[0..1]	Text		85
	ItemAmount <ItmAmt>	[0..1]	Amount		85
	Currency <Ccy>	[0..1]	CodeSet	C1	85
	HostTransactionIdentification <HstTxId>	[0..1]	±		85
	BatchRequest <BtchReq>	[0..1]			85
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		87
	RemoveAllFlag <RmvAllFlg>	[0..1]	Indicator		87
	TransactionToPerform <TxToPrfrm>	[0..*]			87
{Or	PaymentRequest <PmtReq>	[0..1]			89
	PaymentTransaction <PmtTx>	[0..1]	±		89
	LoyaltyData <LltyData>	[0..*]			93
	CustomerOrder <CstmrOrd>	[0..1]	±		94
	Account <Acct>	[0..1]	±		94
	Amount <Amt>	[0..1]			95
	Unit <Unit>	[0..1]	CodeSet		95
	Currency <Ccy>	[0..1]	CodeSet	C1	95
	Amount <Amt>	[1..1]	Amount		96
Or	LoyaltyRequest <LltyReq>	[0..1]			96
	CustomerOrder <CstmrOrd>	[0..1]	±		96
	Transaction <Tx>	[1..1]			97
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		97
	LoyaltyTransactionType <LltyTxTp>	[1..1]	CodeSet		98
	Currency <Ccy>	[0..1]	CodeSet	C1	98
	TotalAmount <TtlAmt>	[0..1]	Amount		98

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		99
	SaleItem <SaleItm>	[0..*]	±		103
	Data <Data>	[0..*]			104
	CustomerOrder <CstmrOrd>	[0..1]	±		104
	Account <Acct>	[0..1]	±		105
	Amount <Amt>	[0..1]			105
	Unit <Unit>	[0..1]	CodeSet		106
	Currency <Ccy>	[0..1]	CodeSet	C1	106
	Amount <Amt>	[1..1]	Amount		106
Or}	ReversalRequest <RvslReq>	[0..1]			106
	ReversalTransaction <RvslTx>	[0..1]	±		107
	LoyaltyData <LtyData>	[0..*]			111
	CustomerOrder <CstmrOrd>	[0..1]	±		112
	Account <Acct>	[0..1]	±		112
	Amount <Amt>	[0..1]			113
	Unit <Unit>	[0..1]	CodeSet		113
	Currency <Ccy>	[0..1]	CodeSet	C1	113
	Amount <Amt>	[1..1]	Amount		114
	ReversalReason <RvslRsn>	[1..1]	CodeSet		114
	ReversedAmount <RvslAmt>	[0..1]	Amount		114
	CustomerOrder <CstmrOrd>	[0..1]	±		114
	EnableServiceRequest <NblSvcReq>	[0..1]			115
	TransactionAction <TxActn>	[1..1]	CodeSet		115
	ServicesEnabled <SvcsNbld>	[0..1]	CodeSet		115
	DisplayOutput <DispOutpt>	[0..1]	±		116
	CardAcquisitionRequest <CardAcqstnReq>	[0..1]			117
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		118
	AllowedPaymentBrand <AllwdPmtBrnd>	[0..*]	Text		118
	AllowedLoyaltyBrand <AllwdLtyBrnd>	[0..*]	Text		118
	ForceCustomerSelectionFlag <ForceCstmrSelctnFlg>	[0..1]	Indicator		118
	TotalAmount <TtlAmt>	[0..1]	Amount		118

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentType <PmtTp>	[0..1]	CodeSet		118
	CashBackFlag <CshBckFlg>	[0..1]	Indicator		119
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		119
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		119
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		119
	SupplementaryData <SplmtryData>	[0..*]	±	C5	119
	SecurityTrailer <SctyTrlr>	[0..1]	±		120

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: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		14
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		15
	ExchangeIdentification <XchgId>	[1..1]	Text		15
	CreationDateTime <CreDtTm>	[1..1]	DateTime		15
	InitiatingParty <InitgPty>	[1..1]	±		15
	RecipientParty <RcptPty>	[0..1]	±		16
	Traceability <Tracblt>	[0..*]	±		17

2.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.

CodeName	Name	Definition
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

2.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

2.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

2.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

2.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

2.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

2.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

2.4.2 ServiceRequest <SvcReq>

Presence: [1..1]

Definition: Information related to a service request.

ServiceRequest <SvcReq> contains the following **ServiceRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		22
	Context <Cntxt>	[1..1]	±		28
	ServiceContent <SvcCntt>	[1..1]	CodeSet		31
	PaymentRequest <PmtReq>	[0..1]			31
	PaymentTransaction <PmtTx>	[0..1]	±		32
	LoyaltyData <LtyData>	[0..*]			36
	CustomerOrder <CstmrOrd>	[0..1]	±		37
	Account <Acct>	[0..1]	±		37
	Amount <Amt>	[0..1]			38
	Unit <Unit>	[0..1]	CodeSet		38
	Currency <Ccy>	[0..1]	CodeSet	C1	38
	Amount <Amt>	[1..1]	Amount		39
	ReversalRequest <RvslReq>	[0..1]			39
	ReversalTransaction <RvslTx>	[0..1]	±		39
	LoyaltyData <LtyData>	[0..*]			43
	CustomerOrder <CstmrOrd>	[0..1]	±		44
	Account <Acct>	[0..1]	±		44
	Amount <Amt>	[0..1]			45
	Unit <Unit>	[0..1]	CodeSet		45
	Currency <Ccy>	[0..1]	CodeSet	C1	45
	Amount <Amt>	[1..1]	Amount		46
	ReversalReason <RvslRsn>	[1..1]	CodeSet		46
	ReversedAmount <RvslAmt>	[0..1]	Amount		46
	CustomerOrder <CstmrOrd>	[0..1]	±		46
	BalanceInquiryRequest <BalInqryReq>	[0..1]			47
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		49
	PaymentAccountRequest <PmtAcctReq>	[0..1]			49
	AccountType <AcctTp>	[0..1]	CodeSet		49
	CustomerOrder <CstmrOrd>	[0..1]	±		50
	AccountReference <AcctRef>	[0..1]	Text		50
	LoyaltyAccountRequest <LtyAcctReq>	[0..1]			51

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..1]	±		51
	Account <Acct>	[0..1]	±		51
	StoredValueAccountRequest <StordValAcctReq>	[0..1]			52
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		53
	Data <Data>	[1..*]			54
	Provider <Prvdr>	[0..1]	Text		54
	TransactionType <TxTp>	[1..1]	CodeSet		54
	AccountIdentification <AcctId>	[0..1]			55
	AccountType <AcctTp>	[0..1]	CodeSet		55
	IdentificationType <IdTp>	[0..1]	CodeSet		56
	Identification <Id>	[0..1]	Text		56
	Brand <Brnd>	[0..1]	Text		57
	Provider <Prvdr>	[0..1]	Text		57
	OwnerName <OwnrNm>	[0..1]	Text		57
	ExpiryDate <XpryDt>	[0..1]	Text		57
	EntryMode <NtryMd>	[0..1]	CodeSet		57
	Currency <Ccy>	[0..1]	CodeSet	C1	58
	Balance <Bal>	[0..1]	Amount		58
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		58
	ProductCode <PdctCd>	[0..1]	Text		62
	EANUPC <EANUPC>	[0..1]	Text		63
	ItemAmount <ItmAmt>	[0..1]	Amount		63
	Currency <Ccy>	[0..1]	CodeSet	C1	63
	HostTransactionIdentification <HstTxId>	[0..1]	±		63
	LoyaltyRequest <LtyReq>	[0..1]			63
	CustomerOrder <CstmrOrd>	[0..1]	±		64
	Transaction <Tx>	[1..1]			65
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		65
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		66
	Currency <Ccy>	[0..1]	CodeSet	C1	66
	TotalAmount <TtlAmt>	[0..1]	Amount		66

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		67
	SaleItem <Saleitm>	[0..*]	±		71
	Data <Data>	[0..*]			72
	CustomerOrder <CstmrOrd>	[0..1]	±		72
	Account <Acct>	[0..1]	±		73
	Amount <Amt>	[0..1]			73
	Unit <Unit>	[0..1]	CodeSet		74
	Currency <Ccy>	[0..1]	CodeSet	C1	74
	Amount <Amt>	[1..1]	Amount		74
	StoredValueRequest <StordValReq>	[0..1]			74
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		75
	Data <Data>	[1..*]			76
	Provider <Prvdr>	[0..1]	Text		76
	TransactionType <TxTp>	[1..1]	CodeSet		76
	AccountIdentification <AcctId>	[0..1]			77
	AccountType <AcctTp>	[0..1]	CodeSet		77
	IdentificationType <IdTp>	[0..1]	CodeSet		78
	Identification <Id>	[0..1]	Text		78
	Brand <Brnd>	[0..1]	Text		79
	Provider <Prvdr>	[0..1]	Text		79
	OwnerName <OwnrNm>	[0..1]	Text		79
	ExpiryDate <XpryDt>	[0..1]	Text		79
	EntryMode <NtryMd>	[0..1]	CodeSet		79
	Currency <Ccy>	[0..1]	CodeSet	C1	80
	Balance <Bal>	[0..1]	Amount		80
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		80
	ProductCode <PdctCd>	[0..1]	Text		84
	EANUPC <EANUPC>	[0..1]	Text		85
	ItemAmount <ItmAmt>	[0..1]	Amount		85
	Currency <Ccy>	[0..1]	CodeSet	C1	85
	HostTransactionIdentification <HstTxId>	[0..1]	±		85

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BatchRequest <BtchReq>	[0..1]			85
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		87
	RemoveAllFlag <RmvAllFlg>	[0..1]	Indicator		87
	TransactionToPerform <TxToPrfrm>	[0..*]			87
{Or	PaymentRequest <PmtReq>	[0..1]			89
	PaymentTransaction <PmtTx>	[0..1]	±		89
	LoyaltyData <LltyData>	[0..*]			93
	CustomerOrder <CstmrOrd>	[0..1]	±		94
	Account <Acct>	[0..1]	±		94
	Amount <Amt>	[0..1]			95
	Unit <Unit>	[0..1]	CodeSet		95
	Currency <Ccy>	[0..1]	CodeSet	C1	95
	Amount <Amt>	[1..1]	Amount		96
Or	LoyaltyRequest <LltyReq>	[0..1]			96
	CustomerOrder <CstmrOrd>	[0..1]	±		96
	Transaction <Tx>	[1..1]			97
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		97
	LoyaltyTransactionType <LltyTxTp>	[1..1]	CodeSet		98
	Currency <Ccy>	[0..1]	CodeSet	C1	98
	TotalAmount <TtlAmt>	[0..1]	Amount		98
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		99
	SaleItem <Saleitm>	[0..*]	±		103
	Data <Data>	[0..*]			104
	CustomerOrder <CstmrOrd>	[0..1]	±		104
	Account <Acct>	[0..1]	±		105
	Amount <Amt>	[0..1]			105
	Unit <Unit>	[0..1]	CodeSet		106
	Currency <Ccy>	[0..1]	CodeSet	C1	106
	Amount <Amt>	[1..1]	Amount		106
Or}	ReversalRequest <RvslReq>	[0..1]			106
	ReversalTransaction <RvslTx>	[0..1]	±		107

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyData <LtyData>	[0..*]			111
	CustomerOrder <CstmrOrd>	[0..1]	±		112
	Account <Acct>	[0..1]	±		112
	Amount <Amt>	[0..1]			113
	Unit <Unit>	[0..1]	CodeSet		113
	Currency <Ccy>	[0..1]	CodeSet	C1	113
	Amount <Amt>	[1..1]	Amount		114
	ReversalReason <RvslRsn>	[1..1]	CodeSet		114
	ReversedAmount <RvsdAmt>	[0..1]	Amount		114
	CustomerOrder <CstmrOrd>	[0..1]	±		114
	EnableServiceRequest <NblSvcReq>	[0..1]			115
	TransactionAction <TxActn>	[1..1]	CodeSet		115
	ServicesEnabled <SvcsNbld>	[0..1]	CodeSet		115
	DisplayOutput <DispOutpt>	[0..1]	±		116
	CardAcquisitionRequest <CardAcqstnReq>	[0..1]			117
	SaleTransactionIdentification <SaleTxld>	[0..1]	±		118
	AllowedPaymentBrand <AllwdPmtBrnd>	[0..*]	Text		118
	AllowedLoyaltyBrand <AllwdLtyBrnd>	[0..*]	Text		118
	ForceCustomerSelectionFlag <ForceCstmrSelctnFlg>	[0..1]	Indicator		118
	TotalAmount <TtlAmt>	[0..1]	Amount		118
	PaymentType <PmtTp>	[0..1]	CodeSet		118
	CashBackFlag <CshBckFlg>	[0..1]	Indicator		119
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		119
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		119
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		119
	SupplementaryData <SplmtryData>	[0..*]	±	C5	119

2.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LtyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <Crdhldrld>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <Drvrld>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScsSctyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxldNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrlId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

2.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService2Code" on page 967

CodeName	Name	Definition
FSPQ	FinancialPaymentRequest	The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...).
FSRQ	FinancialReversalRequest	The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service.
FSIQ	FinancialBalanceInquiryRequest	The Sale System requests to the POI System to perform balance inquiry on the main account.
FSBQ	FinancialBatchRequest	The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery).
FSLQ	FinancialLoyaltyRequest	The Sale System requests to the POI System a loyalty service like loading or redeem.
FSVQ	FinancialStoredValueRequest	The Sale System requests to the POI System to manage a stored value card or account (eg. Load, Payment, Reimbursement).
FSEQ	FinancialEnableServiceRequest	The Sale System requests to the POI System to enable a service on its side.
FSAQ	FinancialCardAcquisitionRequest	The Sale System requests to the POI System to handle a card data acquisition on the card reader.
FSCQ	FinancialReconciliationRequest	The Sale System request to the POI System different kinds of transaction reconciliation.

2.4.2.4 PaymentRequest <PmtReq>

Presence: [0..1]

Definition: Content of the payment request.

PaymentRequest <PmtReq> contains the following **PaymentRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentTransaction <PmtTx>	[0..1]	±		32
	LoyaltyData <LtyData>	[0..*]			36
	CustomerOrder <CstmrOrdr>	[0..1]	±		37
	Account <Acct>	[0..1]	±		37
	Amount <Amt>	[0..1]			38
	Unit <Unit>	[0..1]	CodeSet		38
	Currency <Ccy>	[0..1]	CodeSet	C1	38
	Amount <Amt>	[1..1]	Amount		39

2.4.2.4.1 PaymentTransaction <PmtTx>

Presence: [0..1]

Definition: Data associated with the Transaction.

PaymentTransaction <PmtTx> contains the following elements (see "[CardPaymentTransaction120](#)" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <DclrtnDtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

2.4.2.4.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

LoyaltyData <LtyData> contains the following **LoyaltyRequestData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		37
	Account <Acct>	[0..1]	±		37
	Amount <Amt>	[0..1]			38
	Unit <Unit>	[0..1]	CodeSet		38
	Currency <Ccy>	[0..1]	CodeSet	C1	38
	Amount <Amt>	[1..1]	Amount		39

2.4.2.4.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.4.2.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

2.4.2.4.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

Amount <Amt> contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		38
	Currency <Ccy>	[0..1]	CodeSet	C1	38
	Amount <Amt>	[1..1]	Amount		39

2.4.2.4.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "[AmountUnit1Code](#)" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

2.4.2.4.2.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "[ActiveCurrencyCode](#)" on page 918

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.

2.4.2.4.2.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.5 ReversalRequest <RvslReq>

Presence: [0..1]

Definition: Content of the reversal request.

ReversalRequest <RvslReq> contains the following **ReversalRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReversalTransaction <RvslTx>	[0..1]	±		39
	LoyaltyData <LltyData>	[0..*]			43
	CustomerOrder <CstmrOrdr>	[0..1]	±		44
	Account <Acct>	[0..1]	±		44
	Amount <Amt>	[0..1]			45
	Unit <Unit>	[0..1]	CodeSet		45
	Currency <Ccy>	[0..1]	CodeSet	C1	45
	Amount <Amt>	[1..1]	Amount		46
	ReversalReason <RvslRsn>	[1..1]	CodeSet		46
	ReversedAmount <RvsdAmt>	[0..1]	Amount		46
	CustomerOrder <CstmrOrdr>	[0..1]	±		46

2.4.2.5.1 ReversalTransaction <RvslTx>

Presence: [0..1]

Definition: Transaction to reverse.

ReversalTransaction <RvsITx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <DclrtnDtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

2.4.2.5.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

LoyaltyData <LtyData> contains the following **LoyaltyRequestData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		44
	Account <Acct>	[0..1]	±		44
	Amount <Amt>	[0..1]			45
	Unit <Unit>	[0..1]	CodeSet		45
	Currency <Ccy>	[0..1]	CodeSet	C1	45
	Amount <Amt>	[1..1]	Amount		46

2.4.2.5.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.5.2.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

Account <Acct> contains the following elements (see "LoyaltyAccount3" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

2.4.2.5.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

Amount <Amt> contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		45
	Currency <Ccy>	[0..1]	CodeSet	C1	45
	Amount <Amt>	[1..1]	Amount		46

2.4.2.5.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

2.4.2.5.2.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

2.4.2.5.2.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.5.3 ReversalReason <RvslRsn>

Presence: [1..1]

Definition: Reason for this reversal.

Datatype: "ReversalReason1Code" on page 970

CodeName	Name	Definition
CUSC	CustomerCancellation	Customer cancels the transaction.
MALF	Malfuntion	Reversal after a suspicion of malfunction of the POI system.
MERC	MerchantCancellation	Merchant or Cashier cancels the transaction.
UNAB	UnableToComplete	POI System unable to complete transaction.

2.4.2.5.4 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount to reverse (total or partial).

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.5.5 CustomerOrder <CstmrOrd>

Presence: [0..1]

Definition: Specific Customer Order linked with the reversal.

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.6 BalanceInquiryRequest <BalNqryReq>

Presence: [0..1]

Definition: Content of a Balance Inquiry Request.

BalanceInquiryRequest <BalNqryReq> contains the following **BalanceInquiryRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		49
	PaymentAccountRequest <PmtAcctReq>	[0..1]			49
	AccountType <AcctTp>	[0..1]	CodeSet		49
	CustomerOrder <CstmrOrd>	[0..1]	±		50
	AccountReference <AcctRef>	[0..1]	Text		50
	LoyaltyAccountRequest <LtyAcctReq>	[0..1]			51
	CustomerOrder <CstmrOrd>	[0..1]	±		51
	Account <Acct>	[0..1]	±		51
	StoredValueAccountRequest <StordValAcctReq>	[0..1]			52
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		53
	Data <Data>	[1..*]			54
	Provider <Prvdr>	[0..1]	Text		54
	TransactionType <TxTp>	[1..1]	CodeSet		54
	AccountIdentification <AcctId>	[0..1]			55
	AccountType <AcctTp>	[0..1]	CodeSet		55
	IdentificationType <IdTp>	[0..1]	CodeSet		56
	Identification <Id>	[0..1]	Text		56
	Brand <Brnd>	[0..1]	Text		57
	Provider <Prvdr>	[0..1]	Text		57
	OwnerName <OwnrNm>	[0..1]	Text		57
	ExpiryDate <XpryDt>	[0..1]	Text		57
	EntryMode <NtryMd>	[0..1]	CodeSet		57
	Currency <Ccy>	[0..1]	CodeSet	C1	58
	Balance <Bal>	[0..1]	Amount		58
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		58
	ProductCode <PdctCd>	[0..1]	Text		62
	EANUPC <EANUPC>	[0..1]	Text		63
	ItemAmount <ItmAmt>	[0..1]	Amount		63
	Currency <Ccy>	[0..1]	CodeSet	C1	63
	HostTransactionIdentification <HstTxId>	[0..1]	±		63

2.4.2.6.1 SaleTransactionIdentification <SaleTxId>*Presence:* [0..1]*Definition:* Sale System identification of the transaction in an unambiguous way.**SaleTransactionIdentification <SaleTxId>** contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

2.4.2.6.2 PaymentAccountRequest <PmtAcctReq>*Presence:* [0..1]*Definition:* Data related to the account pointed by the payment card.**PaymentAccountRequest <PmtAcctReq>** contains the following **PaymentAccountRequest1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		49
	CustomerOrder <CstmrOrd>	[0..1]	±		50
	AccountReference <AcctRef>	[0..1]	Text		50

2.4.2.6.2.1 AccountType <AcctTp>*Presence:* [0..1]*Definition:* Type of cardholder account used for the transaction. By Default the code Default is taken into account.*Datatype:* "CardAccountType3Code" on page 931

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.

CodeName	Name	Definition
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.

2.4.2.6.2.2 CustomerOrder <CstmrOrd>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.6.2.3 AccountReference <AcctRef>

Presence: [0..1]

Definition: Reference of an account (all types).

Datatype: "Max35Text" on page 987

2.4.2.6.3 LoyaltyAccountRequest <LtyAcctReq>*Presence:* [0..1]*Definition:* Data related to a requested Loyalty program or account.**LoyaltyAccountRequest <LtyAcctReq>** contains the following **LoyaltyAccountRequest3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..1]	±		51
	Account <Acct>	[0..1]	±		51

2.4.2.6.3.1 CustomerOrder <CstmrOrd>*Presence:* [0..1]*Definition:* To retrieve Card Acquisition Data.**CustomerOrder <CstmrOrd>** contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.6.3.2 Account <Acct>*Presence:* [0..1]*Definition:* Loyalty account information.

Account <Acct> contains the following elements (see "LoyaltyAccount3" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

2.4.2.6.4 StoredValueAccountRequest <StordValAcctReq>

Presence: [0..1]

Definition: Data related to a requested Stored value account.

StoredValueAccountRequest <StordValAcctReq> contains the following **StoredValueRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		53
	Data <Data>	[1..*]			54
	Provider <Prvdr>	[0..1]	Text		54
	TransactionType <TxTp>	[1..1]	CodeSet		54
	AccountIdentification <AcctId>	[0..1]			55
	AccountType <AcctTp>	[0..1]	CodeSet		55
	IdentificationType <IdTp>	[0..1]	CodeSet		56
	Identification <Id>	[0..1]	Text		56
	Brand <Brnd>	[0..1]	Text		57
	Provider <Prvdr>	[0..1]	Text		57
	OwnerName <OwnrNm>	[0..1]	Text		57
	ExpiryDate <XpryDt>	[0..1]	Text		57
	EntryMode <NtryMd>	[0..1]	CodeSet		57
	Currency <Ccy>	[0..1]	CodeSet	C1	58
	Balance <Bal>	[0..1]	Amount		58
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		58
	ProductCode <PdctCd>	[0..1]	Text		62
	EANUPC <EANUPC>	[0..1]	Text		63
	ItemAmount <ItmAmt>	[0..1]	Amount		63
	Currency <Ccy>	[0..1]	CodeSet	C1	63
	HostTransactionIdentification <HstTxId>	[0..1]	±		63

2.4.2.6.4.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

2.4.2.6.4.2 Data <Data>*Presence:* [1..*]*Definition:* Data related to the stored value card.**Data <Data>** contains the following **StoredValueData5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		54
	TransactionType <TxTp>	[1..1]	CodeSet		54
	AccountIdentification <AcctId>	[0..1]			55
	AccountType <AcctTp>	[0..1]	CodeSet		55
	IdentificationType <IdTp>	[0..1]	CodeSet		56
	Identification <Id>	[0..1]	Text		56
	Brand <Brnd>	[0..1]	Text		57
	Provider <Prvdr>	[0..1]	Text		57
	OwnerName <OwnrNm>	[0..1]	Text		57
	ExpiryDate <XpryDt>	[0..1]	Text		57
	EntryMode <NtryMd>	[0..1]	CodeSet		57
	Currency <Ccy>	[0..1]	CodeSet	C1	58
	Balance <Bal>	[0..1]	Amount		58
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		58
	ProductCode <PdctCd>	[0..1]	Text		62
	EANUPC <EANUPC>	[0..1]	Text		63
	ItemAmount <ItmAmt>	[0..1]	Amount		63
	Currency <Ccy>	[0..1]	CodeSet	C1	63
	HostTransactionIdentification <HstTxId>	[0..1]	±		63

2.4.2.6.4.2.1 Provider <Prvdr>*Presence:* [0..1]*Definition:* Identification of the provider of the stored value account load/reload.*Datatype:* "Max35Text" on page 987**2.4.2.6.4.2.2 TransactionType <TxTp>***Presence:* [1..1]*Definition:* Identification of operation to proceed on the stored value account or the stored value card.*Datatype:* "StoredValueTransactionType2Code" on page 973

CodeName	Name	Definition
ACTV	Activate	Activate the account or the card.
DUPL	Duplicate	Duplicate the code or number provided by the loading or activation.
LOAD	Load	Load the account or the card with money.
RESV	Reserve	Reserve the account (e.g. get an activation code).
REVS	Reverse	Reverse an activation or loading.
ULOA	Unload	Unload the account.
CLOS	CloseAccount	Close the account.
DCTV	Deactivate	Deactivate the account or the card.
OPEN	OpenAccount	Open the account.

2.4.2.6.4.2.3 AccountIdentification <AcctId>

Presence: [0..1]

Definition: Identification of the stored value account or the stored value card.

AccountIdentification <AcctId> contains the following **StoredValueAccount2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		55
	IdentificationType <IdTp>	[0..1]	CodeSet		56
	Identification <Id>	[0..1]	Text		56
	Brand <Brnd>	[0..1]	Text		57
	Provider <Prvdr>	[0..1]	Text		57
	OwnerName <OwnrNm>	[0..1]	Text		57
	ExpiryDate <XpryDt>	[0..1]	Text		57
	EntryMode <NtryMd>	[0..1]	CodeSet		57
	Currency <Ccy>	[0..1]	CodeSet	C1	58
	Balance <Bal>	[0..1]	Amount		58

2.4.2.6.4.2.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 972

CodeName	Name	Definition
BNKA	BankPrepaidAccount	Prepaid account managed by a financial institution for low income customers.

CodeName	Name	Definition
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.

2.4.2.6.4.2.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 934

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.

2.4.2.6.4.2.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 987

2.4.2.6.4.2.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 987

2.4.2.6.4.2.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 987

2.4.2.6.4.2.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 988

2.4.2.6.4.2.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 985

2.4.2.6.4.2.3.8 EntryMode <NtryMd>

Presence: [0..1]

Definition: Standard or last entry mode to access the Stored Value account or card.

Datatype: "CardDataReading8Code" on page 932

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).

CodeName	Name	Definition
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.)

2.4.2.6.4.2.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

2.4.2.6.4.2.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.6.4.2.4 OriginalPOITransaction <OrgnIPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIId>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <Dclrtndtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

2.4.2.6.4.2.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: "Max35Text" on page 987

2.4.2.6.4.2.6 EANUPC <EANUPC>*Presence:* [0..1]*Definition:* Standard European Article Number Universal Product Code of item purchased with the transaction.*Datatype:* "Max35NumericText" on page 987**2.4.2.6.4.2.7 ItemAmount <ltmAmt>***Presence:* [0..1]*Definition:* Total amount of the item line.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**2.4.2.6.4.2.8 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency of the monetary amount.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

2.4.2.6.4.2.9 HostTransactionIdentification <HstTxId>*Presence:* [0..1]*Definition:* Identification of the transaction by the host in charge of the stored value transaction.

HostTransactionIdentification <HstTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

2.4.2.7 LoyaltyRequest <LltyReq>*Presence:* [0..1]*Definition:* Content of the Loyalty Request.

LoyaltyRequest <LtyReq> contains the following **LoyaltyRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..1]	±		64
	Transaction <Tx>	[1..1]			65
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		65
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		66
	Currency <Ccy>	[0..1]	CodeSet	C1	66
	TotalAmount <TtlAmt>	[0..1]	Amount		66
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		67
	SaleItem <SaleItm>	[0..*]	±		71
	Data <Data>	[0..*]			72
	CustomerOrder <CstmrOrd>	[0..1]	±		72
	Account <Acct>	[0..1]	±		73
	Amount <Amt>	[0..1]			73
	Unit <Unit>	[0..1]	CodeSet		74
	Currency <Ccy>	[0..1]	CodeSet	C1	74
	Amount <Amt>	[1..1]	Amount		74

2.4.2.7.1 CustomerOrder <CstmrOrd>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.7.2 Transaction <Tx>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Transaction <Tx> contains the following **LoyaltyTransaction4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		65
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		66
	Currency <Ccy>	[0..1]	CodeSet	C1	66
	TotalAmount <TtlAmt>	[0..1]	Amount		66
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		67
	SaleItem <SaleItem>	[0..*]	±		71

2.4.2.7.2.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

2.4.2.7.2.2 LoyaltyTransactionType <LltyTxTp>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Datatype: "LoyaltyTransactionType1Code" on page 950

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.
AWRR	AwardRefund	Refund of a loyalty award transaction.
REBR	RebateRefund	Refund of a loyalty rebate transaction.
REBA	Rebate	Rebate on a total amount, sale item amount, or sale items.
REDE	Redemption	Redemption on a loyalty account.
REDR	RedemptionRefund	Refund of a loyalty redemption transaction.

2.4.2.7.2.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the loyalty transaction.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

2.4.2.7.2.4 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Amount of the payment transaction related to the Loyalty.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.7.2.5 OriginalPOITransaction <OrgnIPOITx>

Presence: [0..1]

Definition: Data of a previous POI payment transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIId>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <Dclrtndtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

2.4.2.7.2.6 SaleItem <SaleItm>

Presence: [0..*]

Definition: Item purchased with the transaction.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 831 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

2.4.2.7.3 Data <Data>

Presence: [0..*]

Definition: Data related to a Loyalty program or account.

Data <Data> contains the following **LoyaltyRequestData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		72
	Account <Acct>	[0..1]	±		73
	Amount <Amt>	[0..1]			73
	Unit <Unit>	[0..1]	CodeSet		74
	Currency <Ccy>	[0..1]	CodeSet	C1	74
	Amount <Amt>	[1..1]	Amount		74

2.4.2.7.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.7.3.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

2.4.2.7.3.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

Amount <Amt> contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		74
	Currency <Ccy>	[0..1]	CodeSet	C1	74
	Amount <Amt>	[1..1]	Amount		74

2.4.2.7.3.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

2.4.2.7.3.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

2.4.2.7.3.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.8 StoredValueRequest <StordValReq>

Presence: [0..1]

Definition: Content of a Stored Value Request.

StoredValueRequest <StordValReq> contains the following **StoredValueRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		75
	Data <Data>	[1..*]			76
	Provider <Prvdr>	[0..1]	Text		76
	TransactionType <TxTp>	[1..1]	CodeSet		76
	AccountIdentification <AcctId>	[0..1]			77
	AccountType <AcctTp>	[0..1]	CodeSet		77
	IdentificationType <IdTp>	[0..1]	CodeSet		78
	Identification <Id>	[0..1]	Text		78
	Brand <Brnd>	[0..1]	Text		79
	Provider <Prvdr>	[0..1]	Text		79
	OwnerName <OwnrNm>	[0..1]	Text		79
	ExpiryDate <XpryDt>	[0..1]	Text		79
	EntryMode <NtryMd>	[0..1]	CodeSet		79
	Currency <Ccy>	[0..1]	CodeSet	C1	80
	Balance <Bal>	[0..1]	Amount		80
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		80
	ProductCode <PdctCd>	[0..1]	Text		84
	EANUPC <EANUPC>	[0..1]	Text		85
	ItemAmount <ItmAmt>	[0..1]	Amount		85
	Currency <Ccy>	[0..1]	CodeSet	C1	85
	HostTransactionIdentification <HstTxId>	[0..1]	±		85

2.4.2.8.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

2.4.2.8.2 Data <Data>*Presence:* [1..*]*Definition:* Data related to the stored value card.**Data <Data>** contains the following **StoredValueData5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		76
	TransactionType <TxTp>	[1..1]	CodeSet		76
	AccountIdentification <AcctId>	[0..1]			77
	AccountType <AcctTp>	[0..1]	CodeSet		77
	IdentificationType <IdTp>	[0..1]	CodeSet		78
	Identification <Id>	[0..1]	Text		78
	Brand <Brnd>	[0..1]	Text		79
	Provider <Prvdr>	[0..1]	Text		79
	OwnerName <OwnrNm>	[0..1]	Text		79
	ExpiryDate <XpryDt>	[0..1]	Text		79
	EntryMode <NtryMd>	[0..1]	CodeSet		79
	Currency <Ccy>	[0..1]	CodeSet	C1	80
	Balance <Bal>	[0..1]	Amount		80
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		80
	ProductCode <PdctCd>	[0..1]	Text		84
	EANUPC <EANUPC>	[0..1]	Text		85
	ItemAmount <ItmAmt>	[0..1]	Amount		85
	Currency <Ccy>	[0..1]	CodeSet	C1	85
	HostTransactionIdentification <HstTxId>	[0..1]	±		85

2.4.2.8.2.1 Provider <Prvdr>*Presence:* [0..1]*Definition:* Identification of the provider of the stored value account load/reload.*Datatype:* "Max35Text" on page 987**2.4.2.8.2.2 TransactionType <TxTp>***Presence:* [1..1]*Definition:* Identification of operation to proceed on the stored value account or the stored value card.*Datatype:* "StoredValueTransactionType2Code" on page 973

CodeName	Name	Definition
ACTV	Activate	Activate the account or the card.
DUPL	Duplicate	Duplicate the code or number provided by the loading or activation.
LOAD	Load	Load the account or the card with money.
RESV	Reserve	Reserve the account (e.g. get an activation code).
REVS	Reverse	Reverse an activation or loading.
ULOA	Unload	Unload the account.
CLOS	CloseAccount	Close the account.
DCTV	Deactivate	Deactivate the account or the card.
OPEN	OpenAccount	Open the account.

2.4.2.8.2.3 AccountIdentification <AcctId>

Presence: [0..1]

Definition: Identification of the stored value account or the stored value card.

AccountIdentification <AcctId> contains the following **StoredValueAccount2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		77
	IdentificationType <IdTp>	[0..1]	CodeSet		78
	Identification <Id>	[0..1]	Text		78
	Brand <Brnd>	[0..1]	Text		79
	Provider <Prvdr>	[0..1]	Text		79
	OwnerName <OwnrNm>	[0..1]	Text		79
	ExpiryDate <XpryDt>	[0..1]	Text		79
	EntryMode <NtryMd>	[0..1]	CodeSet		79
	Currency <Ccy>	[0..1]	CodeSet	C1	80
	Balance <Bal>	[0..1]	Amount		80

2.4.2.8.2.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 972

CodeName	Name	Definition
BNKA	BankPrepaidAccount	Prepaid account managed by a financial institution for low income customers.

CodeName	Name	Definition
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.

2.4.2.8.2.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 934

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	UniversalUniquelIdentification	A Universal Unique Identification code is set for identification.

2.4.2.8.2.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 987

2.4.2.8.2.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 987

2.4.2.8.2.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 987

2.4.2.8.2.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 988

2.4.2.8.2.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 985

2.4.2.8.2.3.8 EntryMode <NtryMd>

Presence: [0..1]

Definition: Standard or last entry mode to access the Stored Value account or card.

Datatype: "CardDataReading8Code" on page 932

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).

CodeName	Name	Definition
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.)

2.4.2.8.2.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

2.4.2.8.2.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.8.2.4 OriginalPOITransaction <OrgnlPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIId>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <Dclrtndtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

2.4.2.8.2.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: "Max35Text" on page 987

2.4.2.8.2.6 EANUPC <EANUPC>*Presence:* [0..1]*Definition:* Standard European Article Number Universal Product Code of item purchased with the transaction.*Datatype:* "Max35NumericText" on page 987**2.4.2.8.2.7 ItemAmount <ItmAmt>***Presence:* [0..1]*Definition:* Total amount of the item line.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**2.4.2.8.2.8 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency of the monetary amount.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

2.4.2.8.2.9 HostTransactionIdentification <HstTxId>*Presence:* [0..1]*Definition:* Identification of the transaction by the host in charge of the stored value transaction.

HostTransactionIdentification <HstTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

2.4.2.9 BatchRequest <BtchReq>*Presence:* [0..1]*Definition:* Content of the Batch Request.

BatchRequest <BtchReq> contains the following **BatchRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		87
	RemoveAllFlag <RmvAllFlg>	[0..1]	Indicator		87
	TransactionToPerform <TxToPrfrm>	[0..*]			87
{Or	PaymentRequest <PmtReq>	[0..1]			89
	PaymentTransaction <PmtTx>	[0..1]	±		89
	LoyaltyData <LltyData>	[0..*]			93
	CustomerOrder <CstmrOrd>	[0..1]	±		94
	Account <Acct>	[0..1]	±		94
	Amount <Amt>	[0..1]			95
	Unit <Unit>	[0..1]	CodeSet		95
	Currency <Ccy>	[0..1]	CodeSet	C1	95
	Amount <Amt>	[1..1]	Amount		96
Or	LoyaltyRequest <LltyReq>	[0..1]			96
	CustomerOrder <CstmrOrd>	[0..1]	±		96
	Transaction <Tx>	[1..1]			97
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		97
	LoyaltyTransactionType <LltyTxTp>	[1..1]	CodeSet		98
	Currency <Ccy>	[0..1]	CodeSet	C1	98
	TotalAmount <TtlAmt>	[0..1]	Amount		98
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		99
	SaleItem <SaleItm>	[0..*]	±		103
	Data <Data>	[0..*]			104
	CustomerOrder <CstmrOrd>	[0..1]	±		104
	Account <Acct>	[0..1]	±		105
	Amount <Amt>	[0..1]			105
	Unit <Unit>	[0..1]	CodeSet		106
	Currency <Ccy>	[0..1]	CodeSet	C1	106
	Amount <Amt>	[1..1]	Amount		106
Or}	ReversalRequest <RvslReq>	[0..1]			106
	ReversalTransaction <RvslTx>	[0..1]	±		107
	LoyaltyData <LltyData>	[0..*]			111

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..1]	±		112
	Account <Acct>	[0..1]	±		112
	Amount <Amt>	[0..1]			113
	Unit <Unit>	[0..1]	CodeSet		113
	Currency <Ccy>	[0..1]	CodeSet	C1	113
	Amount <Amt>	[1..1]	Amount		114
	ReversalReason <RvsIRsn>	[1..1]	CodeSet		114
	ReversedAmount <RvsdAmt>	[0..1]	Amount		114
	CustomerOrder <CstmrOrd>	[0..1]	±		114

2.4.2.9.1 SaleBatchIdentification <SaleBtchId>

Presence: [0..1]

Definition: Sale System identification of the batch in an unambiguous way.

SaleBatchIdentification <SaleBtchId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

2.4.2.9.2 RemoveAllFlag <RmvAllFlg>

Presence: [0..1]

Definition: Flag to remove all the transactions.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 983):

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

2.4.2.9.3 TransactionToPerform <TxToPrfrm>

Presence: [0..*]

Definition: Content of the Batch Request message.

TransactionToPerform <TxToPrfrm> contains one of the following **TransactionToPerform4Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	PaymentRequest <PmtReq>	[0..1]			89
	PaymentTransaction <PmtTx>	[0..1]	±		89
	LoyaltyData <LltyData>	[0..*]			93
	CustomerOrder <CstmrOrd>	[0..1]	±		94
	Account <Acct>	[0..1]	±		94
	Amount <Amt>	[0..1]			95
	Unit <Unit>	[0..1]	CodeSet		95
	Currency <Ccy>	[0..1]	CodeSet	C1	95
	Amount <Amt>	[1..1]	Amount		96
Or	LoyaltyRequest <LltyReq>	[0..1]			96
	CustomerOrder <CstmrOrd>	[0..1]	±		96
	Transaction <Tx>	[1..1]			97
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		97
	LoyaltyTransactionType <LltyTxTp>	[1..1]	CodeSet		98
	Currency <Ccy>	[0..1]	CodeSet	C1	98
	TotalAmount <TtlAmt>	[0..1]	Amount		98
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		99
	SaleItem <Saleitm>	[0..*]	±		103
	Data <Data>	[0..*]			104
	CustomerOrder <CstmrOrd>	[0..1]	±		104
	Account <Acct>	[0..1]	±		105
	Amount <Amt>	[0..1]			105
	Unit <Unit>	[0..1]	CodeSet		106
	Currency <Ccy>	[0..1]	CodeSet	C1	106
	Amount <Amt>	[1..1]	Amount		106
Or}	ReversalRequest <Rvs/Req>	[0..1]			106
	ReversalTransaction <Rvs/Tx>	[0..1]	±		107
	LoyaltyData <LltyData>	[0..*]			111
	CustomerOrder <CstmrOrd>	[0..1]	±		112
	Account <Acct>	[0..1]	±		112

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[0..1]			113
	Unit <Unit>	[0..1]	CodeSet		113
	Currency <Ccy>	[0..1]	CodeSet	C1	113
	Amount <Amt>	[1..1]	Amount		114
	ReversalReason <RvslRsn>	[1..1]	CodeSet		114
	ReversedAmount <RvslAmt>	[0..1]	Amount		114
	CustomerOrder <CstmrOrd>	[0..1]	±		114

2.4.2.9.3.1 PaymentRequest <PmtReq>

Presence: [0..1]

Definition: Content of the Payment Request message.

PaymentRequest <PmtReq> contains the following **PaymentRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentTransaction <PmtTx>	[0..1]	±		89
	LoyaltyData <LltyData>	[0..*]			93
	CustomerOrder <CstmrOrd>	[0..1]	±		94
	Account <Acct>	[0..1]	±		94
	Amount <Amt>	[0..1]			95
	Unit <Unit>	[0..1]	CodeSet		95
	Currency <Ccy>	[0..1]	CodeSet	C1	95
	Amount <Amt>	[1..1]	Amount		96

2.4.2.9.3.1.1 PaymentTransaction <PmtTx>

Presence: [0..1]

Definition: Data associated with the Transaction.

PaymentTransaction <PmtTx> contains the following elements (see ["CardPaymentTransaction120"](#) on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <DclrtnDtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

2.4.2.9.3.1.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

LoyaltyData <LtyData> contains the following **LoyaltyRequestData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		94
	Account <Acct>	[0..1]	±		94
	Amount <Amt>	[0..1]			95
	Unit <Unit>	[0..1]	CodeSet		95
	Currency <Ccy>	[0..1]	CodeSet	C1	95
	Amount <Amt>	[1..1]	Amount		96

2.4.2.9.3.1.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "CustomerOrder1" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.9.3.1.2.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

Account <Acct> contains the following elements (see "LoyaltyAccount3" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

2.4.2.9.3.1.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

Amount <Amt> contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		95
	Currency <Ccy>	[0..1]	CodeSet	C1	95
	Amount <Amt>	[1..1]	Amount		96

2.4.2.9.3.1.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

2.4.2.9.3.1.2.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

2.4.2.9.3.1.2.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.9.3.2 LoyaltyRequest <LtyReq>

Presence: [0..1]

Definition: Content of the Loyalty Request message.

LoyaltyRequest <LtyReq> contains the following **LoyaltyRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..1]	±		96
	Transaction <Tx>	[1..1]			97
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		97
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		98
	Currency <Ccy>	[0..1]	CodeSet	C1	98
	TotalAmount <TtlAmt>	[0..1]	Amount		98
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		99
	SaleItem <SaleItm>	[0..*]	±		103
	Data <Data>	[0..*]			104
	CustomerOrder <CstmrOrd>	[0..1]	±		104
	Account <Acct>	[0..1]	±		105
	Amount <Amt>	[0..1]			105
	Unit <Unit>	[0..1]	CodeSet		106
	Currency <Ccy>	[0..1]	CodeSet	C1	106
	Amount <Amt>	[1..1]	Amount		106

2.4.2.9.3.2.1 CustomerOrder <CstmrOrd>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.9.3.2.2 Transaction <Tx>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Transaction <Tx> contains the following **LoyaltyTransaction4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		97
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		98
	Currency <Ccy>	[0..1]	CodeSet	C1	98
	TotalAmount <TtlAmt>	[0..1]	Amount		98
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		99
	SaleItem <SaleItm>	[0..*]	±		103

2.4.2.9.3.2.2.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

2.4.2.9.3.2.2.2 LoyaltyTransactionType <LtyTxTp>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Datatype: "LoyaltyTransactionType1Code" on page 950

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.
AWRR	AwardRefund	Refund of a loyalty award transaction.
REBR	RebateRefund	Refund of a loyalty rebate transaction.
REBA	Rebate	Rebate on a total amount, sale item amount, or sale items.
REDE	Redemption	Redemption on a loyalty account.
REDR	RedemptionRefund	Refund of a loyalty redemption transaction.

2.4.2.9.3.2.2.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the loyalty transaction.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

2.4.2.9.3.2.2.4 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Amount of the payment transaction related to the Loyalty.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.9.3.2.2.5 OriginalPOITransaction <OrgnIPOITx>

Presence: [0..1]

Definition: Data of a previous POI payment transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIId>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <Dclrtndtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

2.4.2.9.3.2.2.6 SaleItem <SaleItm>

Presence: [0..*]

Definition: Item purchased with the transaction.

SaleItem <SaleItem> contains the following elements (see "Product6" on page 831 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItemId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

2.4.2.9.3.2.3 Data <Data>

Presence: [0..*]

Definition: Data related to a Loyalty program or account.

Data <Data> contains the following **LoyaltyRequestData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		104
	Account <Acct>	[0..1]	±		105
	Amount <Amt>	[0..1]			105
	Unit <Unit>	[0..1]	CodeSet		106
	Currency <Ccy>	[0..1]	CodeSet	C1	106
	Amount <Amt>	[1..1]	Amount		106

2.4.2.9.3.2.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.9.3.2.3.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

2.4.2.9.3.2.3.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

Amount <Amt> contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		106
	Currency <Ccy>	[0..1]	CodeSet	C1	106
	Amount <Amt>	[1..1]	Amount		106

2.4.2.9.3.2.3.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

2.4.2.9.3.2.3.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

2.4.2.9.3.2.3.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.9.3.3 ReversalRequest <RvslReq>

Presence: [0..1]

Definition: Content of the Reversal Request message.

ReversalRequest <RvslReq> contains the following **ReversalRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReversalTransaction <RvslTx>	[0..1]	±		107
	LoyaltyData <LtyData>	[0..*]			111
	CustomerOrder <CstmrOrdr>	[0..1]	±		112
	Account <Acct>	[0..1]	±		112
	Amount <Amt>	[0..1]			113
	Unit <Unit>	[0..1]	CodeSet		113
	Currency <Ccy>	[0..1]	CodeSet	C1	113
	Amount <Amt>	[1..1]	Amount		114
	ReversalReason <RvslRsn>	[1..1]	CodeSet		114
	ReversedAmount <RvslAmt>	[0..1]	Amount		114
	CustomerOrder <CstmrOrdr>	[0..1]	±		114

2.4.2.9.3.3.1 ReversalTransaction <RvslTx>

Presence: [0..1]

Definition: Transaction to reverse.

ReversalTransaction <RvsITx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <Dclrtndtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

2.4.2.9.3.3.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

LoyaltyData <LtyData> contains the following **LoyaltyRequestData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		112
	Account <Acct>	[0..1]	±		112
	Amount <Amt>	[0..1]			113
	Unit <Unit>	[0..1]	CodeSet		113
	Currency <Ccy>	[0..1]	CodeSet	C1	113
	Amount <Amt>	[1..1]	Amount		114

2.4.2.9.3.3.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.9.3.3.2.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

Account <Acct> contains the following elements (see "LoyaltyAccount3" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

2.4.2.9.3.3.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

Amount <Amt> contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		113
	Currency <Ccy>	[0..1]	CodeSet	C1	113
	Amount <Amt>	[1..1]	Amount		114

2.4.2.9.3.3.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

2.4.2.9.3.3.2.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

2.4.2.9.3.3.2.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.9.3.3.3 ReversalReason <RvsIRsn>

Presence: [1..1]

Definition: Reason for this reversal.

Datatype: "ReversalReason1Code" on page 970

CodeName	Name	Definition
CUSC	CustomerCancellation	Customer cancels the transaction.
MALF	Malfuntion	Reversal after a suspicion of malfunction of the POI system.
MERC	MerchantCancellation	Merchant or Cashier cancels the transaction.
UNAB	UnableToComplete	POI System unable to complete transaction.

2.4.2.9.3.3.4 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount to reverse (total or partial).

Datatype: "ImpliedCurrencyAndAmount" on page 914

2.4.2.9.3.3.5 CustomerOrder <CstmrOrd>

Presence: [0..1]

Definition: Specific Customer Order linked with the reversal.

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

2.4.2.10 EnableServiceRequest <NbISvcReq>

Presence: [0..1]

Definition: Content of the Enable Service Request.

EnableServiceRequest <NbISvcReq> contains the following **EnableServiceRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionAction <TxActn>	[1..1]	CodeSet		115
	ServicesEnabled <SvcsNbld>	[0..1]	CodeSet		115
	DisplayOutput <DispOutpt>	[0..1]	±		116

2.4.2.10.1 TransactionAction <TxActn>

Presence: [1..1]

Definition: Action to realise on a transaction.

Datatype: "TransactionAction1Code" on page 976

CodeName	Name	Definition
STAR	StartTransaction	Start a transaction by a swipe ahead mechanism, with the services which are enabled.
STOP	Stop	Keep quiet after a swipe ahead mechanism.

2.4.2.10.2 ServicesEnabled <SvcsNbld>

Presence: [0..1]

Definition: Services enabled before the start-up of a transaction.

Datatype: "RetailerService2Code" on page 967

CodeName	Name	Definition
FSPQ	FinancialPaymentRequest	The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...).
FSRQ	FinancialReversalRequest	The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service.
FSIQ	FinancialBalanceInquiryRequest	The Sale System requests to the POI System to perform balance inquiry on the main account.
FSBQ	FinancialBatchRequest	The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery).
FSLQ	FinancialLoyaltyRequest	The Sale System requests to the POI System a loyalty service like loading or redeem.
FSVQ	FinancialStoredValueRequest	The Sale System requests to the POI System to manage a stored value card or account (eg. Load, Payment, Reimbursement).
FSEQ	FinancialEnableServiceRequest	The Sale System requests to the POI System to enable a service on its side.
FSAQ	FinancialCardAcquisitionRequest	The Sale System requests to the POI System to handle a card data acquisition on the card reader.
FSCQ	FinancialReconciliationRequest	The Sale System request to the POI System different kinds of transaction reconciliation.

2.4.2.10.3 DisplayOutput <DispOutput>

Presence: [0..1]

Definition: Prompt or welcome message.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrnd>	[0..1]			800
	BarcodeType <BrndTp>	[1..1]	CodeSet		801
	BarcodeValue <BrndVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

2.4.2.11 CardAcquisitionRequest <CardAcqstnReq>

Presence: [0..1]

Definition: Content of the Card Acquisition Request.

CardAcquisitionRequest <CardAcqstnReq> contains the following **CardAcquisitionRequest3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		118
	AllowedPaymentBrand <AllwdPmtBrnd>	[0..*]	Text		118
	AllowedLoyaltyBrand <AllwdLltyBrnd>	[0..*]	Text		118
	ForceCustomerSelectionFlag <ForceCstmrSelctnFlg>	[0..1]	Indicator		118
	TotalAmount <TtlAmt>	[0..1]	Amount		118
	PaymentType <PmtTp>	[0..1]	CodeSet		118
	CashBackFlag <CshBckFlg>	[0..1]	Indicator		119
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		119
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		119
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		119

2.4.2.11.1 SaleTransactionIdentification <SaleTxId>*Presence:* [0..1]*Definition:* Sale System identification of the transaction in an unambiguous way.**SaleTransactionIdentification <SaleTxId>** contains the following elements (see ["TransactionIdentifier1"](#) on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

2.4.2.11.2 AllowedPaymentBrand <AllwdPmtBrnd>*Presence:* [0..*]*Definition:* Card payment brands allowed by the Sale System for the payment transaction.*Datatype:* ["Max35Text"](#) on page 987**2.4.2.11.3 AllowedLoyaltyBrand <AllwdLltyBrnd>***Presence:* [0..*]*Definition:* Loyalty brands or programs allowed by the Sale System for the loyalty transaction.*Datatype:* ["Max35Text"](#) on page 987**2.4.2.11.4 ForceCustomerSelectionFlag <ForceCstmrSelctnFlg>***Presence:* [0..1]*Definition:* Indicates if the Customer realises the selection of the card application.*Datatype:* One of the following values must be used (see ["TrueFalseIndicator"](#) on page 983):

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

2.4.2.11.5 TotalAmount <TtlAmt>*Presence:* [0..1]*Definition:* Amount of the transaction. It allows the processing of a contactless card.*Datatype:* ["ImpliedCurrencyAndAmount"](#) on page 914**2.4.2.11.6 PaymentType <PmtTp>***Presence:* [0..1]*Definition:* Type of payment transaction.*Datatype:* ["CardPaymentServiceType13Code"](#) on page 935

CodeName	Name	Definition
CRDP	CardPayment	Card payment.

CodeName	Name	Definition
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
IRES	InitialReservation	Initial reservation.
DEFR	DeferredPayment	Deferred payment.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
RECP	RecurringPayment	Recurring payment.
INSP	Instalment	Instalment payment.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
RFND	Refund	Refund transaction.
VCAU	VoiceAuthorisation	Voice authorisation.

2.4.2.11.7 CashBackFlag <CshBckFlg>

Presence: [0..1]

Definition: Indicates if Cashback is allowed

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 983):

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

2.4.2.11.8 SaleToPOIData <SaleToPOIData>

Presence: [0..1]

Definition: The POI System receives this information.

Datatype: ["Max70Text"](#) on page 989

2.4.2.11.9 SaleToAcquirerData <SaleToAcqrrData>

Presence: [0..1]

Definition: Sale information intended for the Acquirer.

Datatype: ["Max70Text"](#) on page 989

2.4.2.11.10 SaleToIssuerData <SaleToIssrData>

Presence: [0..1]

Definition: Sale information intended for the Issuer.

Datatype: ["Max70Text"](#) on page 989

2.4.2.12 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

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 or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

3 casp.002.001.04 SaleToPOIServiceResponseV04

3.1 MessageDefinition Functionality

The SaleToPOIServiceResponse message is sent by a POI to provide the outcome of a financial service.

Outline

The SaleToPOIServiceResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Set of characteristics related to the transfer of the response.
- B. ServiceResponse
Information related to the response of a service request.
- C. SecurityTrailer
Trailer of the message containing a MAC or a digital signature.

3.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOISvcRspn>	[1..1]			
	Header <Hdr>	[1..1]			127
	MessageFunction <MsgFctn>	[1..1]	CodeSet		128
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		129
	ExchangeIdentification <XchgId>	[1..1]	Text		129
	CreationDateTime <CreDtTm>	[1..1]	DateTime		129
	InitiatingParty <InitgPty>	[1..1]	±		129
	RecipientParty <RcptPty>	[0..1]	±		130
	Traceability <Tracblt>	[0..*]	±		131
	ServiceResponse <SvcRspn>	[1..1]			131
	Environment <Envt>	[1..1]	±		136
	Context <Cntxt>	[1..1]	±		142
	ServiceContent <SvcCntt>	[1..1]	CodeSet		145
	PaymentResponse <PmtRspn>	[0..1]			145
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		146
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		147
	POITransactionIdentification <POITxId>	[1..1]	±		147
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		147
	IssuerReferenceData <IssrRefData>	[0..1]	Text		147
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		147
	PaymentReceipt <PmtRct>	[0..*]	±		150
	LoyaltyResult <LltyRslt>	[0..*]			150
	Account <Acct>	[1..1]	±		151
	Amount <Amt>	[0..1]			152
	Unit <Unit>	[0..1]	CodeSet		152
	Currency <Ccy>	[0..1]	CodeSet	C1	152
	Amount <Amt>	[1..1]	Amount		152
	ServerData <SvrData>	[0..1]			152
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		153
	ApprovalCode <ApprvlCd>	[0..1]	Text		153

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		153
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		153
	Rebates <Rbts>	[0..1]			153
	TotalRebate <TtlRbt>	[0..1]	Amount		154
	RebateLabel <RbtLbl>	[0..1]	Text		154
	SaleItemRebate <SaleitmRbt>	[0..*]			154
	SaleItem <Saleitm>	[1..1]	±		154
	RebateLabel <RbtLbl>	[0..1]	Text		155
	CustomerOrder <CstmrOrd>	[0..*]	±		155
	ReversalResponse <RvsIRspn>	[0..1]			156
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		156
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		157
	POITransactionIdentification <POITxId>	[1..1]	±		157
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		157
	IssuerReferenceData <IssrRefData>	[0..1]	Text		157
	ReversalTransactionResult <RvsITxRsIt>	[1..1]			157
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		158
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		158
	CustomerOrder <CstmrOrd>	[0..*]	±		162
	ReversedAmount <RvsdAmt>	[0..1]	Amount		163
	Receipt <Rct>	[0..*]	±		163
	BalanceInquiryResponse <BalNqryRspn>	[0..1]			163
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		164
	POITransactionIdentification <POITxId>	[0..1]	±		164
	PaymentAccount <PmtAcct>	[0..1]			165
	Currency <Ccy>	[0..1]	CodeSet	C1	165
	CurrentBalance <CurBal>	[0..1]	Amount		165
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		165
	LoyaltyAccount <LtyAcct>	[0..1]	±		166
	StoredValueAccount <StordValAcct>	[0..*]			166
	AccountType <AcctTp>	[0..1]	CodeSet		167

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	IdentificationType <IdTp>	[0..1]	CodeSet		168
	Identification <Id>	[0..1]	Text		168
	Brand <Brnd>	[0..1]	Text		168
	Provider <Prvdr>	[0..1]	Text		168
	OwnerName <OwnrNm>	[0..1]	Text		168
	ExpiryDate <XpryDt>	[0..1]	Text		169
	EntryMode <NtryMd>	[0..1]	CodeSet		169
	Currency <Ccy>	[0..1]	CodeSet	C1	169
	Balance <Bal>	[0..1]	Amount		170
	Receipt <Rct>	[0..*]	±		170
	LoyaltyResponse <LltyRspn>	[0..1]			170
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		171
	POITransactionIdentification <POITxld>	[1..1]	±		171
	POIReconciliationIdentification <POIRcncltnld>	[0..1]	Text		172
	Result <Rslt>	[0..*]			172
	Account <Acct>	[1..1]	±		173
	Amount <Amt>	[0..1]			173
	Unit <Unit>	[0..1]	CodeSet		173
	Currency <Ccy>	[0..1]	CodeSet	C1	173
	Amount <Amt>	[1..1]	Amount		174
	ServerData <SvrData>	[0..1]			174
	LoyaltyServerIdentification <LltySvrld>	[0..1]	Text		174
	ApprovalCode <ApprvlCd>	[0..1]	Text		174
	LoyaltyTransactionIdentification <LltyTxld>	[0..1]	±		174
	HostReconciliationIdentification <HstRcncltnld>	[0..1]	Text		175
	Rebates <Rbts>	[0..1]			175
	TotalRebate <TtlRbt>	[0..1]	Amount		175
	RebateLabel <RbtLabl>	[0..1]	Text		175
	SaleItemRebate <SaleitmRbt>	[0..*]			175
	SaleItem <Saleitm>	[1..1]	±		176
	RebateLabel <RbtLabl>	[0..1]	Text		176

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	StoredValueResponse <StordValRspn>	[0..1]			176
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		177
	POITransactionIdentification <POITxId>	[1..1]	±		178
	Result <Rslt>	[0..*]			178
	Provider <Prvdr>	[0..1]	Text		179
	TransactionType <TxTp>	[1..1]	CodeSet		179
	AccountIdentification <AcctId>	[0..1]			180
	AccountType <AcctTp>	[0..1]	CodeSet		180
	IdentificationType <IdTp>	[0..1]	CodeSet		181
	Identification <Id>	[0..1]	Text		181
	Brand <Brnd>	[0..1]	Text		182
	Provider <Prvdr>	[0..1]	Text		182
	OwnerName <OwnrNm>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	EntryMode <NtryMd>	[0..1]	CodeSet		182
	Currency <Ccy>	[0..1]	CodeSet	C1	183
	Balance <Bal>	[0..1]	Amount		183
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		183
	ProductCode <PdctCd>	[0..1]	Text		187
	EANUPC <EANUPC>	[0..1]	Text		188
	ItemAmount <ItmAmt>	[0..1]	Amount		188
	Currency <Ccy>	[0..1]	CodeSet	C1	188
	HostTransactionIdentification <HstTxId>	[0..1]	±		188
	Receipt <Rct>	[0..*]	±		188
	BatchResponse <BtchRspn>	[0..1]			189
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		190
	POIBatchIdentification <POIBtchId>	[0..1]	±		191
	PerformedTransaction <PrfrmdTx>	[0..*]			191
	Response <Rspn>	[1..1]	±		192
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		193
	POITransactionIdentification <POITxId>	[0..1]	±		193

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		193
	PaymentResult <PmtRslt>	[0..1]	±		193
	LoyaltyResult <LtyRslt>	[0..*]			196
	Account <Acct>	[1..1]	±		197
	Amount <Amt>	[0..1]			198
	Unit <Unit>	[0..1]	CodeSet		198
	Currency <Ccy>	[0..1]	CodeSet	C1	198
	Amount <Amt>	[1..1]	Amount		198
	ServerData <SvrData>	[0..1]			198
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		199
	ApprovalCode <ApprvlCd>	[0..1]	Text		199
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		199
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		199
	Rebates <Rbts>	[0..1]			199
	TotalRebate <TtlRbt>	[0..1]	Amount		200
	RebateLabel <RbtLbl>	[0..1]	Text		200
	SaleItemRebate <SaleitmRbt>	[0..*]			200
	SaleItem <Saleitm>	[1..1]	±		200
	RebateLabel <RbtLbl>	[0..1]	Text		201
	ReversedAmount <RvsdAmt>	[0..1]	Amount		201
	CardAcquisitionResponse <CardAcqstnRspn>	[0..1]			201
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		202
	POITransactionIdentification <POITxId>	[1..1]	±		202
	PaymentBrand <PmtBrnd>	[0..*]	Text		202
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	202
	LoyaltyAccount <LtyAcct>	[0..*]	±		203
	CustomerOrder <CstmrOrd>	[0..*]	±		203
	Response <Rspn>	[1..1]	±		204
	SupplementaryData <SplmtryData>	[0..*]	±	C5	204
	SecurityTrailer <SctyTrlr>	[0..1]	±		205

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 **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.

3.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

3.4.1 **Header <Hdr>**

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the response.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		128
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		129
	ExchangeIdentification <XchgId>	[1..1]	Text		129
	CreationDateTime <CreDtTm>	[1..1]	DateTime		129
	InitiatingParty <InitgPty>	[1..1]	±		129
	RecipientParty <RcptPty>	[0..1]	±		130
	Traceability <Tracblt>	[0..*]	±		131

3.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.

CodeName	Name	Definition
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

3.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

3.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

3.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

3.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

3.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

3.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

3.4.2 ServiceResponse <SvcRspn>

Presence: [1..1]

Definition: Information related to the response of a service request.

ServiceResponse <SvcRspn> contains the following **ServiceResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envnt>	[1..1]	±		136
	Context <Cntxt>	[1..1]	±		142
	ServiceContent <SvcCntt>	[1..1]	CodeSet		145
	PaymentResponse <PmtRspn>	[0..1]			145
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		146
	SaleReferenceIdentification <SaleRefld>	[0..1]	Text		147
	POITransactionIdentification <POITxld>	[1..1]	±		147
	POIReconciliationIdentification <POIRcncltnld>	[0..1]	Text		147
	IssuerReferenceData <IssrRefData>	[0..1]	Text		147
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		147
	PaymentReceipt <PmtRct>	[0..*]	±		150
	LoyaltyResult <LtyRslt>	[0..*]			150
	Account <Acct>	[1..1]	±		151
	Amount <Amt>	[0..1]			152
	Unit <Unit>	[0..1]	CodeSet		152
	Currency <Ccy>	[0..1]	CodeSet	C1	152
	Amount <Amt>	[1..1]	Amount		152
	ServerData <SvrData>	[0..1]			152
	LoyaltyServerIdentification <LtySvrld>	[0..1]	Text		153
	ApprovalCode <ApprvlCd>	[0..1]	Text		153
	LoyaltyTransactionIdentification <LtyTxld>	[0..1]	±		153
	HostReconciliationIdentification <HstRcncltnld>	[0..1]	Text		153
	Rebates <Rbts>	[0..1]			153
	TotalRebate <TtlRbt>	[0..1]	Amount		154
	RebateLabel <RbtLabl>	[0..1]	Text		154
	SaleItemRebate <SaleItmRbt>	[0..*]			154
	SaleItem <SaleItm>	[1..1]	±		154
	RebateLabel <RbtLabl>	[0..1]	Text		155
	CustomerOrder <CstmrOrd>	[0..*]	±		155
	ReversalResponse <RvslRspn>	[0..1]			156
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		156

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		157
	POITransactionIdentification <POITxId>	[1..1]	±		157
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		157
	IssuerReferenceData <IssrRefData>	[0..1]	Text		157
	ReversalTransactionResult <RvsITxRslt>	[1..1]			157
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		158
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		158
	CustomerOrder <CstmrOrd>	[0..*]	±		162
	ReversedAmount <RvsdAmt>	[0..1]	Amount		163
	Receipt <Rct>	[0..*]	±		163
	BalanceInquiryResponse <BalInqryRspn>	[0..1]			163
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		164
	POITransactionIdentification <POITxId>	[0..1]	±		164
	PaymentAccount <PmtAcct>	[0..1]			165
	Currency <Ccy>	[0..1]	CodeSet	C1	165
	CurrentBalance <CurBal>	[0..1]	Amount		165
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		165
	LoyaltyAccount <LltyAcct>	[0..1]	±		166
	StoredValueAccount <StordValAcct>	[0..*]			166
	AccountType <AcctTp>	[0..1]	CodeSet		167
	IdentificationType <IdTp>	[0..1]	CodeSet		168
	Identification <Id>	[0..1]	Text		168
	Brand <Brnd>	[0..1]	Text		168
	Provider <Prvdr>	[0..1]	Text		168
	OwnerName <OwnrNm>	[0..1]	Text		168
	ExpiryDate <XpryDt>	[0..1]	Text		169
	EntryMode <NtryMd>	[0..1]	CodeSet		169
	Currency <Ccy>	[0..1]	CodeSet	C1	169
	Balance <Bal>	[0..1]	Amount		170
	Receipt <Rct>	[0..*]	±		170
	LoyaltyResponse <LltyRspn>	[0..1]			170

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		171
	POITransactionIdentification <POITxId>	[1..1]	±		171
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		172
	Result <Rslt>	[0..*]			172
	Account <Acct>	[1..1]	±		173
	Amount <Amt>	[0..1]			173
	Unit <Unit>	[0..1]	CodeSet		173
	Currency <Ccy>	[0..1]	CodeSet	C1	173
	Amount <Amt>	[1..1]	Amount		174
	ServerData <SvrData>	[0..1]			174
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		174
	ApprovalCode <ApprvlCd>	[0..1]	Text		174
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		174
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		175
	Rebates <Rbts>	[0..1]			175
	TotalRebate <TtlRbt>	[0..1]	Amount		175
	RebateLabel <RbtLbl>	[0..1]	Text		175
	SaleItemRebate <SaleitmRbt>	[0..*]			175
	SaleItem <Saleitm>	[1..1]	±		176
	RebateLabel <RbtLbl>	[0..1]	Text		176
	StoredValueResponse <StordValRspn>	[0..1]			176
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		177
	POITransactionIdentification <POITxId>	[1..1]	±		178
	Result <Rslt>	[0..*]			178
	Provider <Prvdr>	[0..1]	Text		179
	TransactionType <TxTp>	[1..1]	CodeSet		179
	AccountIdentification <AcctId>	[0..1]			180
	AccountType <AcctTp>	[0..1]	CodeSet		180
	IdentificationType <IdTp>	[0..1]	CodeSet		181
	Identification <Id>	[0..1]	Text		181
	Brand <Brnd>	[0..1]	Text		182

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		182
	OwnerName <OwnrNm>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	EntryMode <NtryMd>	[0..1]	CodeSet		182
	Currency <Ccy>	[0..1]	CodeSet	C1	183
	Balance <Bal>	[0..1]	Amount		183
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		183
	ProductCode <PdctCd>	[0..1]	Text		187
	EANUPC <EANUPC>	[0..1]	Text		188
	ItemAmount <ItmAmt>	[0..1]	Amount		188
	Currency <Ccy>	[0..1]	CodeSet	C1	188
	HostTransactionIdentification <HstTxId>	[0..1]	±		188
	Receipt <Rct>	[0..*]	±		188
	BatchResponse <BtchRspn>	[0..1]			189
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		190
	POIBatchIdentification <POIBtchId>	[0..1]	±		191
	PerformedTransaction <PrfrmdTx>	[0..*]			191
	Response <Rspn>	[1..1]	±		192
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		193
	POITransactionIdentification <POITxId>	[0..1]	±		193
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		193
	PaymentResult <PmtRslt>	[0..1]	±		193
	LoyaltyResult <LltyRslt>	[0..*]			196
	Account <Acct>	[1..1]	±		197
	Amount <Amt>	[0..1]			198
	Unit <Unit>	[0..1]	CodeSet		198
	Currency <Ccy>	[0..1]	CodeSet	C1	198
	Amount <Amt>	[1..1]	Amount		198
	ServerData <SvrData>	[0..1]			198
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		199
	ApprovalCode <ApprvlCd>	[0..1]	Text		199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyTransactionIdentification <LtyTxld>	[0..1]	±		199
	HostReconciliationIdentification <HstRcncltnld>	[0..1]	Text		199
	Rebates <Rbts>	[0..1]			199
	TotalRebate <TtlRbt>	[0..1]	Amount		200
	RebateLabel <RbtLbl>	[0..1]	Text		200
	SaleItemRebate <SaleitmRbt>	[0..*]			200
	SaleItem <Saleitm>	[1..1]	±		200
	RebateLabel <RbtLbl>	[0..1]	Text		201
	ReversedAmount <RvsdAmt>	[0..1]	Amount		201
	CardAcquisitionResponse <CardAcqstnRspn>	[0..1]			201
	SaleTransactionIdentification <SaleTxld>	[0..1]	±		202
	POITransactionIdentification <POITxld>	[1..1]	±		202
	PaymentBrand <PmtBrnd>	[0..*]	Text		202
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	202
	LoyaltyAccount <LtyAcct>	[0..*]	±		203
	CustomerOrder <CstmrOrdr>	[0..*]	±		203
	Response <Rspn>	[1..1]	±		204
	SupplementaryData <SplmtryData>	[0..*]	±	C5	204

3.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LltyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmNrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRsIt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRsIt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <RsIt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRsIt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

3.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

3.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service response.

Datatype: "RetailerService3Code" on page 968

CodeName	Name	Definition
FSPP	FinancialPaymentResponse	The POI System sends a response to a payment request (Purchase/refund/PWCB/MOTO Payment/...).
FSRP	FinancialReversalResponse	The POI System sends a response to a reversal request.
FSIP	FinancialBalanceInquiryResponse	The POI System sends a response to a Balance Inquiry request.
FSBP	FinancialBatchResponse	The POI System sends a response to a batch processing request.
FSLP	FinancialLoyaltyResponse	The POI System sends a response to a loyalty processing request.
FSVP	FinancialStoredValueResponse	The POI System sends a response to a stored value card or account request.
FSEP	FinancialEnableServiceResponse	The POI System sends a response after enabling or not some service.
FSAP	FinancialCardAcquisitionResponse	The POI System sends a response to a card data acquisition request.
FSCP	FinancialReconciliationResponse	The POI System sends a response to a reconciliation request.

3.4.2.4 PaymentResponse <PmtRspn>

Presence: [0..1]

Definition: Data to respond to a Payment request.

PaymentResponse <PmtRspn> contains the following **PaymentResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		146
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		147
	POITransactionIdentification <POITxId>	[1..1]	±		147
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		147
	IssuerReferenceData <IssrRefData>	[0..1]	Text		147
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		147
	PaymentReceipt <PmtRct>	[0..*]	±		150
	LoyaltyResult <LltyRslt>	[0..*]			150
	Account <Acct>	[1..1]	±		151
	Amount <Amt>	[0..1]			152
	Unit <Unit>	[0..1]	CodeSet		152
	Currency <Ccy>	[0..1]	CodeSet	C1	152
	Amount <Amt>	[1..1]	Amount		152
	ServerData <SvrData>	[0..1]			152
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		153
	ApprovalCode <ApprvlCd>	[0..1]	Text		153
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		153
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		153
	Rebates <Rbts>	[0..1]			153
	TotalRebate <TtlRbt>	[0..1]	Amount		154
	RebateLabel <RbtLabl>	[0..1]	Text		154
	SaleItemRebate <SaleitmRbt>	[0..*]			154
	SaleItem <Saleitm>	[1..1]	±		154
	RebateLabel <RbtLabl>	[0..1]	Text		155
	CustomerOrder <CstmrOrd>	[0..*]	±		155

3.4.2.4.1 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.4.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 987

3.4.2.4.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.4.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: ["Max35Text"](#) on page 987

3.4.2.4.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 985

3.4.2.4.6 RetailerPaymentResult <RtlrPmtRsIt>

Presence: [1..1]

Definition: Data related to the result of a processed payment transaction.

RetailerPaymentResult <RtlrPmtRslt> contains the following elements (see "RetailerPaymentResult4" on page 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		684
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		685
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		685
	RequestedTransaction <ReqdTx>	[0..1]	±		686
	TransactionResponse <TxRspn>	[0..1]			690
	AuthorisationResult <AuthstnRslt>	[1..1]			693
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		693
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			693
	Response <Rspn>	[1..1]	CodeSet		694
	ResponseReason <RspnRsn>	[0..1]	Text		694
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		694
	AuthorisationCode <AuthstnCd>	[0..1]	Text		694
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		694
	TMSTrigger <TMSTrggr>	[0..1]			695
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		695
	TMSIdentification <TMSId>	[0..1]	Text		695
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		695
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			695
	Method <Mtd>	[1..1]	CodeSet		696
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		697
	Result <Rslt>	[0..1]	CodeSet		697
	AdditionalResult <AddtlRslt>	[0..1]	Text		697
	AllowedProductCode <AllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		699

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		699
	AmountLimit <AmtLmt>	[0..1]	Amount		699
	QuantityLimit <QtyLmt>	[0..1]	Quantity		699
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		699
	Balance <Bal>	[0..1]	±		701
	ProtectedBalance <PrtctdBal>	[0..1]	±		701
	Action <Actn>	[0..*]			702
	ActionType <ActnTp>	[1..1]	CodeSet		702
	MessageToPresent <MsgToPres>	[0..1]	±		703
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			703
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		704
	TargetCurrency <TrgtCcy>	[1..1]			705
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	705
	NumericCode <NmrcCd>	[1..1]	Text		705
	Decimal <Dcml>	[1..1]	Quantity		705
	Name <Nm>	[0..1]	Text		705
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		706
	ExchangeRate <XchgRate>	[1..1]	Rate		706
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		706
	QuotationDate <QtnDt>	[0..1]	DateTime		706
	ValidUntil <VldUntil>	[0..1]	DateTime		706
	SourceCurrency <SrcCcy>	[1..1]			706
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	706
	NumericCode <NmrcCd>	[0..1]	Text		707
	Decimal <Dcml>	[0..1]	Quantity		707
	Name <Nm>	[0..1]	Text		707
	OriginalAmount <OrgnlAmt>	[1..1]			707
	ActualAmount <ActlAmt>	[0..1]	Amount		707
	MinimumAmount <MinAmt>	[0..1]	Amount		707
	MaximumAmount <MaxAmt>	[0..1]	Amount		708
	CommissionDetails <ComssnDtls>	[0..*]			708

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		708
	MarkUpDetails <MrkUpDtls>	[0..*]			708
	Rate <Rate>	[1..1]	Rate		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		709
	DeclarationDetails <Dclrtndtls>	[0..*]	±		709
	CustomerOrder <CstmrOrd>	[0..*]	±		709
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			710
	ImageFormat <ImgFrmt>	[1..1]	Text		710
	ImageData <ImgData>	[0..1]	Binary		710
	ImageReference <ImgRef>	[0..1]	Text		711
	AdditionalInformation <AddtlInf>	[0..1]	Text		711
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		711
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		711
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	711
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		711

3.4.2.4.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "[PaymentReceipt4](#)" on page 716 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		717
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		717
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		717
	OutputContent <OutptCntt>	[1..1]	±		718

3.4.2.4.8 LoyaltyResult <LltyRslt>

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
	Account <Acct>	[1..1]	±		151
	Amount <Amt>	[0..1]			152
	Unit <Unit>	[0..1]	CodeSet		152
	Currency <Ccy>	[0..1]	CodeSet	C1	152
	Amount <Amt>	[1..1]	Amount		152
	ServerData <SvrData>	[0..1]			152
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		153
	ApprovalCode <ApprvlCd>	[0..1]	Text		153
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		153
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		153
	Rebates <Rbts>	[0..1]			153
	TotalRebate <TtlRbt>	[0..1]	Amount		154
	RebateLabel <RbtLbl>	[0..1]	Text		154
	SaleItemRebate <SaleItmRbt>	[0..*]			154
	SaleItem <SaleItm>	[1..1]	±		154
	RebateLabel <RbtLbl>	[0..1]	Text		155

3.4.2.4.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

3.4.2.4.8.2 Amount <Amt>*Presence:* [0..1]*Definition:* Amount.**Amount <Amt>** contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		152
	Currency <Ccy>	[0..1]	CodeSet	C1	152
	Amount <Amt>	[1..1]	Amount		152

3.4.2.4.8.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

3.4.2.4.8.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

3.4.2.4.8.2.3 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**3.4.2.4.8.3 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
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		153
	ApprovalCode <ApprvICd>	[0..1]	Text		153
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		153
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		153

3.4.2.4.8.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 987

3.4.2.4.8.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: "Min6Max8Text" on page 990

3.4.2.4.8.3.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.4.8.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: "Max35Text" on page 987

3.4.2.4.8.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalRebate <TtlRbt>	[0..1]	Amount		154
	RebateLabel <RbtLbl>	[0..1]	Text		154
	SaleItemRebate <SaleitmRbt>	[0..*]			154
	SaleItem <Saleitm>	[1..1]	±		154
	RebateLabel <RbtLbl>	[0..1]	Text		155

3.4.2.4.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: "ImpliedCurrencyAndAmount" on page 914

3.4.2.4.8.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

3.4.2.4.8.4.3 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
	SaleItem <Saleitm>	[1..1]	±		154
	RebateLabel <RbtLbl>	[0..1]	Text		155

3.4.2.4.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 831 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

3.4.2.4.8.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

3.4.2.4.9 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 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

3.4.2.5 ReversalResponse <RvslRspn>

Presence: [0..1]

Definition: Response Data to a Reversal request.

ReversalResponse <RvslRspn> contains the following **ReversalResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		156
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		157
	POITransactionIdentification <POITxId>	[1..1]	±		157
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		157
	IssuerReferenceData <IssrRefData>	[0..1]	Text		157
	ReversalTransactionResult <RvslTxRslt>	[1..1]			157
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		158
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		158
	CustomerOrder <CstmrOrd>	[0..*]	±		162
	ReversedAmount <RvsdAmt>	[0..1]	Amount		163
	Receipt <Rct>	[0..*]	±		163

3.4.2.5.1 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.5.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 987

3.4.2.5.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.5.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: ["Max35Text"](#) on page 987

3.4.2.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 985

3.4.2.5.6 ReversalTransactionResult <RvsITxRslt>

Presence: [1..1]

Definition: Result of reversal transaction.

ReversalTransactionResult <RvsITxRslt> contains the following **RetailerReversalResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		158
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		158
	CustomerOrder <CstmrOrd>	[0..*]	±		162

3.4.2.5.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

Datatype: "Max35Text" on page 987

3.4.2.5.6.2 OriginalPaymentTransaction <OrgnlPmtTx>

Presence: [0..1]

Definition: Original Transaction if any linked to this reversal.

OriginalPaymentTransaction <OrgnlPmtTx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIId>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <Dclrtndtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

3.4.2.5.6.3 CustomerOrder <CstmrOrd>

Presence: [0..*]

Definition: Updated Customer order list after reversal.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

3.4.2.5.7 ReversedAmount <RvstdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 914

3.4.2.5.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

Receipt <Rct> contains the following elements (see "[PaymentReceipt4](#)" on page 716 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		717
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		717
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		717
	OutputContent <OutptCntt>	[1..1]	±		718

3.4.2.6 BalanceInquiryResponse <BalNqryRspn>

Presence: [0..1]

Definition: Response data to a balance inquiry service request.

BalanceInquiryResponse <BalInqRspn> contains the following **BalanceInquiryResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		164
	POITransactionIdentification <POITxId>	[0..1]	±		164
	PaymentAccount <PmtAcct>	[0..1]			165
	Currency <Ccy>	[0..1]	CodeSet	C1	165
	CurrentBalance <CurBal>	[0..1]	Amount		165
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		165
	LoyaltyAccount <LtyAcct>	[0..1]	±		166
	StoredValueAccount <StordValAcct>	[0..*]			166
	AccountType <AcctTp>	[0..1]	CodeSet		167
	IdentificationType <IdTp>	[0..1]	CodeSet		168
	Identification <Id>	[0..1]	Text		168
	Brand <Brnd>	[0..1]	Text		168
	Provider <Prvdr>	[0..1]	Text		168
	OwnerName <OwnrNm>	[0..1]	Text		168
	ExpiryDate <XpryDt>	[0..1]	Text		169
	EntryMode <NtryMd>	[0..1]	CodeSet		169
	Currency <Ccy>	[0..1]	CodeSet	C1	169
	Balance <Bal>	[0..1]	Amount		170
	Receipt <Rct>	[0..*]	±		170

3.4.2.6.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.6.2 POITransactionIdentification <POITxId>

Presence: [0..1]

Definition: POI identification of the transaction in an unambiguous way.

POITransactionIdentification <POITxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.6.3 PaymentAccount <PmtAcct>

Presence: [0..1]

Definition: Payment account information.

PaymentAccount <PmtAcct> contains the following **PaymentAccount3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	165
	CurrentBalance <CurBal>	[0..1]	Amount		165
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		165

3.4.2.6.3.1 Currency <Ccy>

Presence: [0..1]

Definition: Currency of a Payment Account.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode"](#) on page 918

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.

3.4.2.6.3.2 CurrentBalance <CurBal>

Presence: [0..1]

Definition: Balance of a Payment Account

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 914

3.4.2.6.3.3 PaymentAcquirerData <PmtAcqrrData>

Presence: [0..1]

Definition: Detail of Acquirer.

PaymentAcquirerData <PmtAcqrrData> contains the following elements (see "Acquirer10" on page 559 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		559
	ParametersVersion <ParamsVrsn>	[0..1]	Text		559

3.4.2.6.4 LoyaltyAccount <LtyAcct>

Presence: [0..1]

Definition: Loyalty account information.

LoyaltyAccount <LtyAcct> contains the following elements (see "LoyaltyAccount3" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

3.4.2.6.5 StoredValueAccount <StordValAcct>

Presence: [0..*]

Definition: Stored value account information.

StoredValueAccount <StordValAcct> contains the following **StoredValueAccount2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		167
	IdentificationType <IdTp>	[0..1]	CodeSet		168
	Identification <Id>	[0..1]	Text		168
	Brand <Brnd>	[0..1]	Text		168
	Provider <Prvdr>	[0..1]	Text		168
	OwnerName <OwnrNm>	[0..1]	Text		168
	ExpiryDate <XpryDt>	[0..1]	Text		169
	EntryMode <NtryMd>	[0..1]	CodeSet		169
	Currency <Ccy>	[0..1]	CodeSet	C1	169
	Balance <Bal>	[0..1]	Amount		170

3.4.2.6.5.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 972

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.

3.4.2.6.5.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 934

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.

3.4.2.6.5.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 987

3.4.2.6.5.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 987

3.4.2.6.5.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 987

3.4.2.6.5.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 988

3.4.2.6.5.7 ExpiryDate <XpryDt>*Presence:* [0..1]*Definition:* Expiry date of the account of card.*Datatype:* "Max10Text" on page 985**3.4.2.6.5.8 EntryMode <NtryMd>***Presence:* [0..1]*Definition:* Standard or last entry mode to access the Stored Value account or card.*Datatype:* "CardDataReading8Code" on page 932

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.)

3.4.2.6.5.9 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the Stored Value account.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

3.4.2.6.5.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 914

3.4.2.6.6 Receipt <Rct>

Presence: [0..*]

Definition: Receipt to print after a balance inquiry.

Receipt <Rct> contains the following elements (see "PaymentReceipt4" on page 716 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		717
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		717
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		717
	OutputContent <OutptCntt>	[1..1]	±		718

3.4.2.7 LoyaltyResponse <LltyRspn>

Presence: [0..1]

Definition: Response data to a loyalty service request.

LoyaltyResponse <LtyRspn> contains the following **LoyaltyResponse3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		171
	POITransactionIdentification <POITxId>	[1..1]	±		171
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		172
	Result <Rslt>	[0..*]			172
	Account <Acct>	[1..1]	±		173
	Amount <Amt>	[0..1]			173
	Unit <Unit>	[0..1]	CodeSet		173
	Currency <Ccy>	[0..1]	CodeSet	C1	173
	Amount <Amt>	[1..1]	Amount		174
	ServerData <SvrData>	[0..1]			174
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		174
	ApprovalCode <ApprvlCd>	[0..1]	Text		174
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		174
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		175
	Rebates <Rbts>	[0..1]			175
	TotalRebate <TtlRbt>	[0..1]	Amount		175
	RebateLabel <RbtLabl>	[0..1]	Text		175
	SaleItemRebate <SaleitmRbt>	[0..*]			175
	SaleItem <Saleitm>	[1..1]	±		176
	RebateLabel <RbtLabl>	[0..1]	Text		176

3.4.2.7.1 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.7.2 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.7.3 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: "Max35Text" on page 987

3.4.2.7.4 Result <Rslt>

Presence: [0..*]

Definition: Data related to the result of a processed loyalty transaction.

Result <Rslt> contains the following **LoyaltyResult3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Account <Acct>	[1..1]	±		173
	Amount <Amt>	[0..1]			173
	Unit <Unit>	[0..1]	CodeSet		173
	Currency <Ccy>	[0..1]	CodeSet	C1	173
	Amount <Amt>	[1..1]	Amount		174
	ServerData <SvrData>	[0..1]			174
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		174
	ApprovalCode <ApprvlCd>	[0..1]	Text		174
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		174
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		175
	Rebates <Rbts>	[0..1]			175
	TotalRebate <TtlRbt>	[0..1]	Amount		175
	RebateLabel <RbtLbl>	[0..1]	Text		175
	SaleItemRebate <SaleItmRbt>	[0..*]			175
	SaleItem <SaleItm>	[1..1]	±		176
	RebateLabel <RbtLbl>	[0..1]	Text		176

3.4.2.7.4.1 Account <Acct>*Presence:* [1..1]*Definition:* Account managing the Loyalty.**Account <Acct>** contains the following elements (see "LoyaltyAccount3" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

3.4.2.7.4.2 Amount <Amt>*Presence:* [0..1]*Definition:* Amount.**Amount <Amt>** contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		173
	Currency <Ccy>	[0..1]	CodeSet	C1	173
	Amount <Amt>	[1..1]	Amount		174

3.4.2.7.4.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

3.4.2.7.4.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

3.4.2.7.4.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

3.4.2.7.4.3 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
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		174
	ApprovalCode <ApprvICd>	[0..1]	Text		174
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		174
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		175

3.4.2.7.4.3.1 LoyaltyServerIdentification <LltySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 987

3.4.2.7.4.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: "Min6Max8Text" on page 990

3.4.2.7.4.3.3 LoyaltyTransactionIdentification <LltyTxId>

Presence: [0..1]

Definition: Identification of the Loyalty transaction in an unambiguous way.

LoyaltyTransactionIdentification <LtyTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.7.4.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: "Max35Text" on page 987

3.4.2.7.4.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalRebate <TtlRbt>	[0..1]	Amount		175
	RebateLabel <RbtLbl>	[0..1]	Text		175
	SaleItemRebate <SaleItmRbt>	[0..*]			175
	SaleItem <SaleItm>	[1..1]	±		176
	RebateLabel <RbtLbl>	[0..1]	Text		176

3.4.2.7.4.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: "ImpliedCurrencyAndAmount" on page 914

3.4.2.7.4.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

3.4.2.7.4.4.3 SaleItemRebate <SaleItmRbt>

Presence: [0..*]

Definition: Amount of the payment transaction related to the Loyalty.

SaleItemRebate <SaleItemRbt> contains the following **SaleItemRebate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItem <Saleitm>	[1..1]	±		176
	RebateLabel <RbtLbl>	[0..1]	Text		176

3.4.2.7.4.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 831 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

3.4.2.7.4.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

3.4.2.8 StoredValueResponse <StordValRspn>

Presence: [0..1]

Definition: Response data to a Stored Value request.

StoredValueResponse <StordValRspn> contains the following **StoredValueResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		177
	POITransactionIdentification <POITxId>	[1..1]	±		178
	Result <RsIt>	[0..*]			178
	Provider <Prvdr>	[0..1]	Text		179
	TransactionType <TxTp>	[1..1]	CodeSet		179
	AccountIdentification <AcctId>	[0..1]			180
	AccountType <AcctTp>	[0..1]	CodeSet		180
	IdentificationType <IdTp>	[0..1]	CodeSet		181
	Identification <Id>	[0..1]	Text		181
	Brand <Brnd>	[0..1]	Text		182
	Provider <Prvdr>	[0..1]	Text		182
	OwnerName <OwnrNm>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	EntryMode <NtryMd>	[0..1]	CodeSet		182
	Currency <Ccy>	[0..1]	CodeSet	C1	183
	Balance <Bal>	[0..1]	Amount		183
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		183
	ProductCode <PdctCd>	[0..1]	Text		187
	EANUPC <EANUPC>	[0..1]	Text		188
	ItemAmount <ItmAmt>	[0..1]	Amount		188
	Currency <Ccy>	[0..1]	CodeSet	C1	188
	HostTransactionIdentification <HstTxId>	[0..1]	±		188
	Receipt <Rct>	[0..*]	±		188

3.4.2.8.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.8.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.8.3 Result <Rslt>

Presence: [0..*]

Definition: Result of loading/reloading a stored value card.

Result <Rslt> contains the following **StoredValueData5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		179
	TransactionType <TxTp>	[1..1]	CodeSet		179
	AccountIdentification <AcctId>	[0..1]			180
	AccountType <AcctTp>	[0..1]	CodeSet		180
	IdentificationType <IdTp>	[0..1]	CodeSet		181
	Identification <Id>	[0..1]	Text		181
	Brand <Brnd>	[0..1]	Text		182
	Provider <Prvdr>	[0..1]	Text		182
	OwnerName <OwnrNm>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	EntryMode <NtryMd>	[0..1]	CodeSet		182
	Currency <Ccy>	[0..1]	CodeSet	C1	183
	Balance <Bal>	[0..1]	Amount		183
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		183
	ProductCode <PdctCd>	[0..1]	Text		187
	EANUPC <EANUPC>	[0..1]	Text		188
	ItemAmount <ItmAmt>	[0..1]	Amount		188
	Currency <Ccy>	[0..1]	CodeSet	C1	188
	HostTransactionIdentification <HstTxId>	[0..1]	±		188

3.4.2.8.3.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identification of the provider of the stored value account load/reload.

Datatype: "Max35Text" on page 987

3.4.2.8.3.2 TransactionType <TxTp>

Presence: [1..1]

Definition: Identification of operation to proceed on the stored value account or the stored value card.

Datatype: "StoredValueTransactionType2Code" on page 973

CodeName	Name	Definition
ACTV	Activate	Activate the account or the card.
DUPL	Duplicate	Duplicate the code or number provided by the loading or activation.

CodeName	Name	Definition
LOAD	Load	Load the account or the card with money.
RESV	Reserve	Reserve the account (e.g. get an activation code).
REVS	Reverse	Reverse an activation or loading.
ULOA	Unload	Unload the account.
CLOS	CloseAccount	Close the account.
DCTV	Deactivate	Deactivate the account or the card.
OPEN	OpenAccount	Open the account.

3.4.2.8.3.3 AccountIdentification <AcctId>

Presence: [0..1]

Definition: Identification of the stored value account or the stored value card.

AccountIdentification <AcctId> contains the following **StoredValueAccount2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		180
	IdentificationType <IdTp>	[0..1]	CodeSet		181
	Identification <Id>	[0..1]	Text		181
	Brand <Brnd>	[0..1]	Text		182
	Provider <Prvdr>	[0..1]	Text		182
	OwnerName <OwnrNm>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	EntryMode <NtryMd>	[0..1]	CodeSet		182
	Currency <Ccy>	[0..1]	CodeSet	C1	183
	Balance <Bal>	[0..1]	Amount		183

3.4.2.8.3.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 972

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.

CodeName	Name	Definition
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.

3.4.2.8.3.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 934

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.

3.4.2.8.3.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 987

3.4.2.8.3.3.4 Brand <Brnd>*Presence:* [0..1]*Definition:* Brand to which belong the account.*Datatype:* "Max35Text" on page 987**3.4.2.8.3.3.5 Provider <Prvdr>***Presence:* [0..1]*Definition:* Provider of the Stored Value Account.*Datatype:* "Max35Text" on page 987**3.4.2.8.3.3.6 OwnerName <OwnrNm>***Presence:* [0..1]*Definition:* Owner name of an account.*Datatype:* "Max45Text" on page 988**3.4.2.8.3.3.7 ExpiryDate <XpryDt>***Presence:* [0..1]*Definition:* Expiry date of the account of card.*Datatype:* "Max10Text" on page 985**3.4.2.8.3.3.8 EntryMode <NtryMd>***Presence:* [0..1]*Definition:* Standard or last entry mode to access the Stored Value account or card.*Datatype:* "CardDataReading8Code" on page 932

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.)

3.4.2.8.3.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

3.4.2.8.3.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 914

3.4.2.8.3.4 OriginalPOITransaction <OrgnIPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <Dclrtndtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

3.4.2.8.3.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: "Max35Text" on page 987

3.4.2.8.3.6 EANUPC <EANUPC>*Presence:* [0..1]*Definition:* Standard European Article Number Universal Product Code of item purchased with the transaction.*Datatype:* "Max35NumericText" on page 987**3.4.2.8.3.7 ItemAmount <ItmAmt>***Presence:* [0..1]*Definition:* Total amount of the item line.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**3.4.2.8.3.8 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency of the monetary amount.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

3.4.2.8.3.9 HostTransactionIdentification <HstTxId>*Presence:* [0..1]*Definition:* Identification of the transaction by the host in charge of the stored value transaction.

HostTransactionIdentification <HstTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.8.4 Receipt <Rct>*Presence:* [0..*]*Definition:* Customer or Merchant payment receipt.

Receipt <Rct> contains the following elements (see "[PaymentReceipt4](#)" on page 716 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		717
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		717
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		717
	OutputContent <OutptCntt>	[1..1]	±		718

3.4.2.9 BatchResponse <BtchRspn>

Presence: [0..1]

Definition: Content of the Batch Response message.

BatchResponse <BtchRspn> contains the following **BatchResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		190
	POIBatchIdentification <POIBtchId>	[0..1]	±		191
	PerformedTransaction <PrfrmdTx>	[0..*]			191
	Response <Rspn>	[1..1]	±		192
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		193
	POITransactionIdentification <POITxId>	[0..1]	±		193
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		193
	PaymentResult <PmtRslt>	[0..1]	±		193
	LoyaltyResult <LtyRslt>	[0..*]			196
	Account <Acct>	[1..1]	±		197
	Amount <Amt>	[0..1]			198
	Unit <Unit>	[0..1]	CodeSet		198
	Currency <Ccy>	[0..1]	CodeSet	C1	198
	Amount <Amt>	[1..1]	Amount		198
	ServerData <SvrData>	[0..1]			198
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		199
	ApprovalCode <ApprvlCd>	[0..1]	Text		199
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		199
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		199
	Rebates <Rbts>	[0..1]			199
	TotalRebate <TtlRbt>	[0..1]	Amount		200
	RebateLabel <RbtLabl>	[0..1]	Text		200
	SaleItemRebate <SaleItmRbt>	[0..*]			200
	SaleItem <SaleItm>	[1..1]	±		200
	RebateLabel <RbtLabl>	[0..1]	Text		201
	ReversedAmount <RvsdAmt>	[0..1]	Amount		201

3.4.2.9.1 SaleBatchIdentification <SaleBtchId>

Presence: [0..1]

Definition: Sale System identification of the batch in an unambiguous way.

SaleBatchIdentification <SaleBtchId> contains the following elements (see "[TransactionIdentifier1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.9.2 POIBatchIdentification <POIBtchId>

Presence: [0..1]

Definition: POI identification of the batch in an unambiguous way.

POIBatchIdentification <POIBtchId> contains the following elements (see "[TransactionIdentifier1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.9.3 PerformedTransaction <PrfrmdTx>

Presence: [0..*]

Definition: Performed transaction content.

PerformedTransaction <PrfrmdTx> contains the following **PerformedTransaction4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	±		192
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		193
	POITransactionIdentification <POITxId>	[0..1]	±		193
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		193
	PaymentResult <PmtRslt>	[0..1]	±		193
	LoyaltyResult <LltyRslt>	[0..*]			196
	Account <Acct>	[1..1]	±		197
	Amount <Amt>	[0..1]			198
	Unit <Unit>	[0..1]	CodeSet		198
	Currency <Ccy>	[0..1]	CodeSet	C1	198
	Amount <Amt>	[1..1]	Amount		198
	ServerData <SvrData>	[0..1]			198
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		199
	ApprovalCode <ApprvlCd>	[0..1]	Text		199
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		199
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		199
	Rebates <Rbts>	[0..1]			199
	TotalRebate <TtlRbt>	[0..1]	Amount		200
	RebateLabel <RbtLabl>	[0..1]	Text		200
	SaleItemRebate <SaleitmRbt>	[0..*]			200
	SaleItem <Saleitm>	[1..1]	±		200
	RebateLabel <RbtLabl>	[0..1]	Text		201
	ReversedAmount <RvsdAmt>	[0..1]	Amount		201

3.4.2.9.3.1 Response <Rspn>

Presence: [1..1]

Definition: Response for this performed transaction.

Response <Rspn> contains the following elements (see ["ResponseType11" on page 820](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

3.4.2.9.3.2 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Unique identification of a sale transaction.

SaleTransactionIdentification <SaleTxId> contains the following elements (see ["TransactionIdentifier1" on page 842](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.9.3.3 POITransactionIdentification <POITxId>

Presence: [0..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see ["TransactionIdentifier1" on page 842](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.9.3.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Identification of the POI reconciliation period.

Datatype: ["Max35Text" on page 987](#)

3.4.2.9.3.5 PaymentResult <PmtRslt>

Presence: [0..1]

Definition: Data related to the result of a processed payment transaction.

PaymentResult <PmtRslt> contains the following elements (see "RetailerPaymentResult4" on page 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		684
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		685
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		685
	RequestedTransaction <ReqdTx>	[0..1]	±		686
	TransactionResponse <TxRspn>	[0..1]			690
	AuthorisationResult <AuthstnRslt>	[1..1]			693
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		693
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			693
	Response <Rspn>	[1..1]	CodeSet		694
	ResponseReason <RspnRsn>	[0..1]	Text		694
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		694
	AuthorisationCode <AuthstnCd>	[0..1]	Text		694
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		694
	TMSTrigger <TMSTrggr>	[0..1]			695
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		695
	TMSIdentification <TMSId>	[0..1]	Text		695
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		695
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			695
	Method <Mtd>	[1..1]	CodeSet		696
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		697
	Result <Rslt>	[0..1]	CodeSet		697
	AdditionalResult <AddtlRslt>	[0..1]	Text		697
	AllowedProductCode <AllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		699

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		699
	AmountLimit <AmtLmt>	[0..1]	Amount		699
	QuantityLimit <QtyLmt>	[0..1]	Quantity		699
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		699
	Balance <Bal>	[0..1]	±		701
	ProtectedBalance <PrtctdBal>	[0..1]	±		701
	Action <Actn>	[0..*]			702
	ActionType <ActnTp>	[1..1]	CodeSet		702
	MessageToPresent <MsgToPres>	[0..1]	±		703
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			703
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		704
	TargetCurrency <TrgtCcy>	[1..1]			705
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	705
	NumericCode <NmrcCd>	[1..1]	Text		705
	Decimal <Dcml>	[1..1]	Quantity		705
	Name <Nm>	[0..1]	Text		705
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		706
	ExchangeRate <XchgRate>	[1..1]	Rate		706
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		706
	QuotationDate <QtnDt>	[0..1]	DateTime		706
	ValidUntil <VldUntil>	[0..1]	DateTime		706
	SourceCurrency <SrcCcy>	[1..1]			706
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	706
	NumericCode <NmrcCd>	[0..1]	Text		707
	Decimal <Dcml>	[0..1]	Quantity		707
	Name <Nm>	[0..1]	Text		707
	OriginalAmount <OrgnlAmt>	[1..1]			707
	ActualAmount <ActlAmt>	[0..1]	Amount		707
	MinimumAmount <MinAmt>	[0..1]	Amount		707
	MaximumAmount <MaxAmt>	[0..1]	Amount		708
	CommissionDetails <ComssnDtls>	[0..*]			708

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		708
	MarkUpDetails <MrkUpDtls>	[0..*]			708
	Rate <Rate>	[1..1]	Rate		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		709
	DeclarationDetails <Dclrtndtls>	[0..*]	±		709
	CustomerOrder <CstmrOrd>	[0..*]	±		709
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			710
	ImageFormat <ImgFrmt>	[1..1]	Text		710
	ImageData <ImgData>	[0..1]	Binary		710
	ImageReference <ImgRef>	[0..1]	Text		711
	AdditionalInformation <AddtlInf>	[0..1]	Text		711
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		711
	MerchantOverrideFlag <MrchntOvrrdFlg>	[0..1]	Indicator		711
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	711
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		711

3.4.2.9.3.6 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
	Account <Acct>	[1..1]	±		197
	Amount <Amt>	[0..1]			198
	Unit <Unit>	[0..1]	CodeSet		198
	Currency <Ccy>	[0..1]	CodeSet	C1	198
	Amount <Amt>	[1..1]	Amount		198
	ServerData <SvrData>	[0..1]			198
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		199
	ApprovalCode <ApprvlCd>	[0..1]	Text		199
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		199
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		199
	Rebates <Rbts>	[0..1]			199
	TotalRebate <TtlRbt>	[0..1]	Amount		200
	RebateLabel <RbtLbl>	[0..1]	Text		200
	SaleItemRebate <SaleItmRbt>	[0..*]			200
	SaleItem <SaleItm>	[1..1]	±		200
	RebateLabel <RbtLbl>	[0..1]	Text		201

3.4.2.9.3.6.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

3.4.2.9.3.6.2 Amount <Amt>*Presence:* [0..1]*Definition:* Amount.**Amount <Amt>** contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		198
	Currency <Ccy>	[0..1]	CodeSet	C1	198
	Amount <Amt>	[1..1]	Amount		198

3.4.2.9.3.6.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

3.4.2.9.3.6.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

3.4.2.9.3.6.2.3 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**3.4.2.9.3.6.3 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
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		199
	ApprovalCode <ApprvICd>	[0..1]	Text		199
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		199
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		199

3.4.2.9.3.6.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 987

3.4.2.9.3.6.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: "Min6Max8Text" on page 990

3.4.2.9.3.6.3.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.9.3.6.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: "Max35Text" on page 987

3.4.2.9.3.6.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalRebate <TtlRbt>	[0..1]	Amount		200
	RebateLabel <RbtLbl>	[0..1]	Text		200
	SaleItemRebate <SaleitmRbt>	[0..*]			200
	SaleItem <Saleitm>	[1..1]	±		200
	RebateLabel <RbtLbl>	[0..1]	Text		201

3.4.2.9.3.6.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: "ImpliedCurrencyAndAmount" on page 914

3.4.2.9.3.6.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

3.4.2.9.3.6.4.3 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
	SaleItem <Saleitm>	[1..1]	±		200
	RebateLabel <RbtLbl>	[0..1]	Text		201

3.4.2.9.3.6.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 831 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

3.4.2.9.3.6.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

3.4.2.9.3.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount of the payment or loyalty to reverse.

Datatype: "ImpliedCurrencyAndAmount" on page 914

3.4.2.10 CardAcquisitionResponse <CardAcqstnRspn>

Presence: [0..1]

Definition: Content of the Card Acquisition Response message.

CardAcquisitionResponse <CardAcqstnRspn> contains the following **CardAcquisitionResponse3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		202
	POITransactionIdentification <POITxId>	[1..1]	±		202
	PaymentBrand <PmtBrnd>	[0..*]	Text		202
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	202
	LoyaltyAccount <LtyAcct>	[0..*]	±		203
	CustomerOrder <CstmrOrd>	[0..*]	±		203

3.4.2.10.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.10.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

3.4.2.10.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

Datatype: "Max35Text" on page 987

3.4.2.10.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 948

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

3.4.2.10.5 LoyaltyAccount <LtyAcct>

Presence: [0..*]

Definition: Loyalty account information.

LoyaltyAccount <LtyAcct> contains the following elements (see "LoyaltyAccount3" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

3.4.2.10.6 CustomerOrder <CstmrOrd>

Presence: [0..*]

Definition: Customer order attached to a customer, recorded in the POI system.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

3.4.2.11 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "[ResponseType1](#)" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

3.4.2.12 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

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 or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

4 casp.003.001.04 SaleToPOIRconciliationRequestV04

4.1 MessageDefinition Functionality

The SaleToPOIRconciliationRequest message is sent by a sale system to request for reconciliation between sale and POI systems.

Outline

The SaleToPOIRconciliationRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. ReconciliationRequest

Information related to the reconciliation request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

4.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIRcncltnReq>	[1..1]			
	Header <Hdr>	[1..1]			208
	MessageFunction <MsgFctn>	[1..1]	CodeSet		208
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		209
	ExchangeIdentification <XchgId>	[1..1]	Text		209
	CreationDateTime <CreDtTm>	[1..1]	DateTime		209
	InitiatingParty <InitgPty>	[1..1]	±		210
	RecipientParty <RcptPty>	[0..1]	±		210
	Traceability <Tracblt>	[0..*]	±		211
	ReconciliationRequest <RcncltnReq>	[1..1]			211
	Environment <Envt>	[1..1]	±		212
	Context <Cntxt>	[1..1]	±		218
	ReconciliationRequestData <RcncltnReqData>	[1..1]			221
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		221
	AcquirerIdentification <AcqrId>	[0..1]	Text		221
	POIRconciliationIdentification <POIRcncltnId>	[0..1]	Text		221
	SupplementaryData <SplmtryData>	[0..*]	±	C5	222
	SecurityTrailer <SctyTrlr>	[0..1]	±		222

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.

4.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

4.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		208
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		209
	ExchangeIdentification <XchgId>	[1..1]	Text		209
	CreationDateTime <CreDtTm>	[1..1]	DateTime		209
	InitiatingParty <InitgPty>	[1..1]	±		210
	RecipientParty <RcptPty>	[0..1]	±		210
	Traceability <Tracblt>	[0..*]	±		211

4.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.

CodeName	Name	Definition
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

4.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

4.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

4.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

4.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

4.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

4.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

4.4.2 ReconciliationRequest <RcncltnReq>

Presence: [1..1]

Definition: Information related to the reconciliation request.

ReconciliationRequest <RcncltnReq> contains the following **ReconciliationRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		212
	Context <Cntxt>	[1..1]	±		218
	ReconciliationRequestData <RcncltnReqData>	[1..1]			221
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		221
	AcquirerIdentification <Acqrrld>	[0..1]	Text		221
	POIReconciliationIdentification <POIRcncltnld>	[0..1]	Text		221
	SupplementaryData <SplmtryData>	[0..*]	±	C5	222

4.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LltyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BllgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

4.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

4.4.2.3 ReconciliationRequestData <RcncltnReqData>

Presence: [1..1]

Definition: Content of the Reconciliation Request message.

ReconciliationRequestData <RcncltnReqData> contains the following **ReconciliationRequestData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		221
	AcquirerIdentification <Acqrrld>	[0..1]	Text		221
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		221

4.4.2.3.1 ReconciliationType <RcncltnTp>

Presence: [1..1]

Definition: Type of Reconciliation requested by the Sale to the POI.

Datatype: "ReconciliationType1Code" on page 959

CodeName	Name	Definition
AREC	AcquirerReconciliation	Reconciliation between the POI and one or several Acquirers only. There is no reconciliation between the Sale System and the POI System.
ASYN	AcquirerSynchronisation	Reconciliation and closure of the current period, with synchronisation of the reconciliation between the POI and Acquirers.
PREC	PreviousReconciliation	Request result of a previous reconciliation.
SREC	SaleReconciliation	Reconciliation with closure of the current period, without any Acquirers synchronisation.

4.4.2.3.2 AcquirerIdentification <Acqrrld>

Presence: [0..1]

Definition: Identification of the Acquirer.

Datatype: "Max35Text" on page 987

4.4.2.3.3 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period between Sale and POI.

Datatype: "Max35Text" on page 987

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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

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 or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

5 casp.004.001.04 SaleToPOIRconciliationResponseV04

5.1 MessageDefinition Functionality

The SaleToPOIRconciliationResponse message is sent by a POI to provide the result of reconciliation process between sale and POI systems.

Outline

The SaleToPOIRconciliationResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. ReconciliationResponse

Information related to the response of a reconciliation request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

5.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIRcncltnRspn>	[1..1]			
	Header <Hdr>	[1..1]			226
	MessageFunction <MsgFctn>	[1..1]	CodeSet		226
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		227
	ExchangeIdentification <XchgId>	[1..1]	Text		227
	CreationDateTime <CreDtTm>	[1..1]	DateTime		228
	InitiatingParty <InitgPty>	[1..1]	±		228
	RecipientParty <RcptPty>	[0..1]	±		228
	Traceability <Tracblt>	[0..*]	±		229
	ReconciliationResponse <RcncltnRspn>	[1..1]			229
	Environment <Envt>	[1..1]	±		231
	Context <Cntxt>	[1..1]	±		237
	ReconciliationResponseData <RcncltnRspnData>	[1..1]			240
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		242
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		242
	TransactionTotals <TxTtls>	[0..*]			242
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		244
	AcquirerIdentification <Acqrrld>	[0..1]	Text		244
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		244
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		244
	Brand <Brnd>	[0..1]	Text		244
	POIIdentification <POIID>	[0..1]	Text		244
	SaleIdentification <SaleId>	[0..1]	Text		245
	CashierIdentification <Cshrlld>	[0..1]	Text		245
	ShiftNumber <ShftNb>	[0..1]	Text		245
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			245
	CommonName <CmonNm>	[1..1]	Text		245
	Address <Adr>	[0..1]	Text		245
	CountryCode <CtryCd>	[1..1]	CodeSet		245
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		246

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RegisteredIdentifier <RegIdr>	[1..1]	Text		246
	TransactionTotal <TxTtl>	[1..1]			246
	POIGroupIdentification <POIGrpld>	[0..1]	Text		246
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		246
	Currency <Ccy>	[0..1]	CodeSet	C1	246
	Type <Tp>	[1..1]	CodeSet		247
	TotalNumber <TtlNb>	[1..1]	Quantity		247
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		247
	DetailedAmount <DtldAmt>	[0..1]	±		247
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			248
	POIGroupIdentification <POIGrpld>	[0..1]	Text		248
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		248
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		249
	Currency <Ccy>	[0..1]	CodeSet	C1	249
	TransactionType <TxTp>	[1..1]	CodeSet		249
	TotalNumber <TtlNb>	[1..1]	Quantity		249
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		250
	DetailedAmount <DtldAmt>	[0..1]	±		250
	Response <Rspn>	[1..1]	±		250
	SupplementaryData <SplmtryData>	[0..*]	±	C5	250
	SecurityTrailer <SctyTrlr>	[0..1]	±		251

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 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.

5.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

5.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

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

5.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or

CodeName	Name	Definition
		software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

5.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

5.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

5.4.1.4 CreationDateTime <CreDtTm>*Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODateTime" on page 981**5.4.1.5 InitiatingParty <InitgPty>***Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

5.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

5.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

5.4.2 ReconciliationResponse <RcncltnRspn>

Presence: [1..1]

Definition: Information related to the response of a reconciliation request.

ReconciliationResponse <RcncltnRspn> contains the following **ReconciliationResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envnt>	[1..1]	±		231
	Context <Cntxt>	[1..1]	±		237
	ReconciliationResponseData <RcncltnRspnData>	[1..1]			240
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		242
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		242
	TransactionTotals <TxTtls>	[0..*]			242
	PaymentInstrumentType <PmtlnstrmTp>	[1..1]	CodeSet		244
	AcquirerIdentification <Acqrrld>	[0..1]	Text		244
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		244
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		244
	Brand <Brnd>	[0..1]	Text		244
	POIIdentification <POIId>	[0..1]	Text		244
	SaleIdentification <SaleId>	[0..1]	Text		245
	CashierIdentification <Cshrlld>	[0..1]	Text		245
	ShiftNumber <ShftNb>	[0..1]	Text		245
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			245
	CommonName <CmonNm>	[1..1]	Text		245
	Address <Adr>	[0..1]	Text		245
	CountryCode <CtryCd>	[1..1]	CodeSet		245
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		246
	RegisteredIdentifier <Regldr>	[1..1]	Text		246
	TransactionTotal <TxTtl>	[1..1]			246
	POIGroupIdentification <POIGrpld>	[0..1]	Text		246
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		246
	Currency <Ccy>	[0..1]	CodeSet	C1	246
	Type <Tp>	[1..1]	CodeSet		247
	TotalNumber <TtlNb>	[1..1]	Quantity		247
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		247
	DetailedAmount <DtldAmt>	[0..1]	±		247
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			248
	POIGroupIdentification <POIGrpld>	[0..1]	Text		248

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		248
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		249
	Currency <Ccy>	[0..1]	CodeSet	C1	249
	TransactionType <TxTp>	[1..1]	CodeSet		249
	TotalNumber <TtlNb>	[1..1]	Quantity		249
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		250
	DetailedAmount <DtldAmt>	[0..1]	±		250
	Response <Rspn>	[1..1]	±		250
	SupplementaryData <SplmtryData>	[0..*]	±	C5	250

5.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LltyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BllgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

5.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

5.4.2.3 ReconciliationResponseData <RcncltnRspnData>

Presence: [1..1]

Definition: Content of the Reconciliation Response message.

ReconciliationResponseData <RcncltnRspnData> contains the following
ReconciliationResponseData1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		242
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		242
	TransactionTotals <TxTtls>	[0..*]			242
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		244
	AcquirerIdentification <Acqrrld>	[0..1]	Text		244
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		244
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		244
	Brand <Brnd>	[0..1]	Text		244
	POIIdentification <POIId>	[0..1]	Text		244
	SaleIdentification <SaleId>	[0..1]	Text		245
	CashierIdentification <Cshrlld>	[0..1]	Text		245
	ShiftNumber <ShftNb>	[0..1]	Text		245
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			245
	CommonName <CmonNm>	[1..1]	Text		245
	Address <Adr>	[0..1]	Text		245
	CountryCode <CtryCd>	[1..1]	CodeSet		245
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		246
	RegisteredIdentifier <Regldr>	[1..1]	Text		246
	TransactionTotal <TxTtl>	[1..1]			246
	POIGroupIdentification <POIGrpId>	[0..1]	Text		246
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		246
	Currency <Ccy>	[0..1]	CodeSet	C1	246
	Type <Tp>	[1..1]	CodeSet		247
	TotalNumber <TtlNb>	[1..1]	Quantity		247
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		247
	DetailedAmount <DtldAmt>	[0..1]	±		247
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			248
	POIGroupIdentification <POIGrpId>	[0..1]	Text		248
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		248
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		249

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	249
	TransactionType <TxTp>	[1..1]	CodeSet		249
	TotalNumber <TtlNb>	[1..1]	Quantity		249
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		250
	DetailedAmount <DtldAmt>	[0..1]	±		250

5.4.2.3.1 ReconciliationType <RcncltnTp>

Presence: [1..1]

Definition: Type of Reconciliation requested by the Sale to the POI.

Datatype: "ReconciliationType1Code" on page 959

CodeName	Name	Definition
AREC	AcquirerReconciliation	Reconciliation between the POI and one or several Acquirers only. There is no reconciliation between the Sale System and the POI System.
ASYN	AcquirerSynchronisation	Reconciliation and closure of the current period, with synchronisation of the reconciliation between the POI and Acquirers.
PREC	PreviousReconciliation	Request result of a previous reconciliation.
SREC	SaleReconciliation	Reconciliation with closure of the current period, without any Acquirers synchronisation.

5.4.2.3.2 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period between Sale and POI.

Datatype: "Max35Text" on page 987

5.4.2.3.3 TransactionTotals <TxTtls>

Presence: [0..*]

Definition: Result of the Sale to POI Reconciliation processing.

TransactionTotals <TxTtls> contains the following **TransactionTotalsSet1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		244
	AcquirerIdentification <Acqrrld>	[0..1]	Text		244
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		244
	SaleReconciliationIdentification <SaleRcncltnld>	[0..1]	Text		244
	Brand <Brnd>	[0..1]	Text		244
	POIIdentification <POIld>	[0..1]	Text		244
	SaleIdentification <Saleld>	[0..1]	Text		245
	CashierIdentification <Cshrlld>	[0..1]	Text		245
	ShiftNumber <ShftNb>	[0..1]	Text		245
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			245
	CommonName <CmonNm>	[1..1]	Text		245
	Address <Adr>	[0..1]	Text		245
	CountryCode <CtryCd>	[1..1]	CodeSet		245
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		246
	RegisteredIdentifier <Regldr>	[1..1]	Text		246
	TransactionTotal <TxTtl>	[1..1]			246
	POIGroupIdentification <POIGrpld>	[0..1]	Text		246
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		246
	Currency <Ccy>	[0..1]	CodeSet	C1	246
	Type <Tp>	[1..1]	CodeSet		247
	TotalNumber <TtlNb>	[1..1]	Quantity		247
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		247
	DetailedAmount <DtlldAmt>	[0..1]	±		247
	LoyaltyTransactionTotal <LtyTxTtl>	[0..*]			248
	POIGroupIdentification <POIGrpld>	[0..1]	Text		248
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		248
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		249
	Currency <Ccy>	[0..1]	CodeSet	C1	249
	TransactionType <TxTp>	[1..1]	CodeSet		249
	TotalNumber <TtlNb>	[1..1]	Quantity		249
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		250

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DetailedAmount <DtldAmt>	[0..1]	±		250

5.4.2.3.3.1 PaymentInstrumentType <PmtInstrmTp>*Presence:* [1..1]*Definition:* Type of payment instrument.*Datatype:* "PaymentInstrumentType1Code" on page 955

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.

5.4.2.3.3.2 AcquirerIdentification <AcqrId>*Presence:* [0..1]*Definition:* Identification of an Acquirer.*Datatype:* "Max35Text" on page 987**5.4.2.3.3.3 ReconciliationIdentification <RcncltId>***Presence:* [0..1]*Definition:* Identifier of a host reconciliation period: acquirer for a payment or server for loyalty.*Datatype:* "Max35Text" on page 987**5.4.2.3.3.4 SaleReconciliationIdentification <SaleRcncltId>***Presence:* [0..1]*Definition:* Identifier of a reconciliation period on the sale system.*Datatype:* "Max35Text" on page 987**5.4.2.3.3.5 Brand <Brnd>***Presence:* [0..1]*Definition:* Brand of payment card or loyalty system.*Datatype:* "Max35Text" on page 987**5.4.2.3.3.6 POIIdentification <POIID>***Presence:* [0..1]*Definition:* Identifier of the POI system performing a reconciliation.*Datatype:* "Max35Text" on page 987

5.4.2.3.3.7 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 987**5.4.2.3.3.8 CashierIdentification <CshrlId>***Presence:* [0..1]*Definition:* Identification of the cashier who carried out the transactions.*Datatype:* "Max35Text" on page 987**5.4.2.3.3.9 ShiftNumber <ShftNb>***Presence:* [0..1]*Definition:* Identifies the shift of the cashier.*Datatype:* "Max2NumericText" on page 987**5.4.2.3.3.10 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
	CommonName <CmonNm>	[1..1]	Text		245
	Address <Adr>	[0..1]	Text		245
	CountryCode <CtryCd>	[1..1]	CodeSet		245
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		246
	RegisteredIdentifier <RegIdIdr>	[1..1]	Text		246

5.4.2.3.3.10.1 CommonName <CmonNm>*Presence:* [1..1]*Definition:* Name of the merchant.*Datatype:* "Max70Text" on page 989**5.4.2.3.3.10.2 Address <Adr>***Presence:* [0..1]*Definition:* Location of the merchant.*Datatype:* "Max140Text" on page 985**5.4.2.3.3.10.3 CountryCode <CtryCd>***Presence:* [1..1]*Definition:* Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 947

5.4.2.3.3.10.4 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 990

5.4.2.3.3.10.5 RegisteredIdentifier <RegIdlr>

Presence: [1..1]

Definition: Identifier of the sponsored merchant assigned by the payment facilitator of their acquirer.

Datatype: "Max35Text" on page 987

5.4.2.3.3.11 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
	POIGroupIdentification <POIGrpId>	[0..1]	Text		246
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		246
	Currency <Ccy>	[0..1]	CodeSet	C1	246
	Type <Tp>	[1..1]	CodeSet		247
	TotalNumber <TtlNb>	[1..1]	Quantity		247
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		247
	DetailedAmount <DtldAmt>	[0..1]	±		247

5.4.2.3.3.11.1 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 987

5.4.2.3.3.11.2 CardProductProfile <CardPdctPrfl>

Presence: [0..1]

Definition: Category of cards related the acceptance processing rules defined by the acquirer.

Datatype: "Max35Text" on page 987

5.4.2.3.3.11.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction totals.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

5.4.2.3.3.11.4 Type <Tp>

Presence: [1..1]

Definition: Identification of the type of transaction.

Datatype: "TypeTransactionTotals3Code" on page 978

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.

5.4.2.3.3.11.5 TotalNumber <TtlNb>

Presence: [1..1]

Definition: Total number of transactions during a reconciliation period.

Datatype: "Number" on page 983

5.4.2.3.3.11.6 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 914

5.4.2.3.3.11.7 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 626 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		626
	CashBack <CshBck>	[0..1]	Amount		626
	Gratuity <Grtty>	[0..1]	Amount		626
	Fees <Fees>	[0..*]	±		627
	Rebate <Rbt>	[0..*]	±		627
	ValueAddedTax <ValAddedTax>	[0..*]	±		627
	Surcharge <Srchr>	[0..*]	±		627

5.4.2.3.3.12 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
	POIGroupldentification <POIGrpld>	[0..1]	Text		248
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		248
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		249
	Currency <Ccy>	[0..1]	CodeSet	C1	249
	TransactionType <TxTp>	[1..1]	CodeSet		249
	TotalNumber <TtlNb>	[1..1]	Quantity		249
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		250
	DetailedAmount <DtldAmt>	[0..1]	±		250

5.4.2.3.3.12.1 POIGroupldentification <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 987

5.4.2.3.3.12.2 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 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

5.4.2.3.3.12.3 CardProductProfile <CardPdctPrfl>*Presence:* [0..1]*Definition:* Cards category related to the acceptance processing rules defined by the Loyalty provider.*Datatype:* "Max35Text" on page 987**5.4.2.3.3.12.4 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency associated with the transaction totals.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

5.4.2.3.3.12.5 TransactionType <TxTp>*Presence:* [1..1]*Definition:* Type of Loyalty transaction for Report.*Datatype:* "LoyaltyTypeTransactionTotals1Code" on page 950

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.

5.4.2.3.3.12.6 TotalNumber <TtlNb>*Presence:* [1..1]*Definition:* Total number of transactions during a reconciliation period.

Datatype: "Number" on page 983

5.4.2.3.3.12.7 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 914

5.4.2.3.3.12.8 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 626 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		626
	CashBack <CshBck>	[0..1]	Amount		626
	Gratuity <Grtty>	[0..1]	Amount		626
	Fees <Fees>	[0..*]	±		627
	Rebate <Rbt>	[0..*]	±		627
	ValueAddedTax <ValAddedTax>	[0..*]	±		627
	Surcharge <Srchr>	[0..*]	±		627

5.4.2.4 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

5.4.2.5 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

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 or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

6 casp.005.001.04 SaleToPOISessionManagementRequestV04

6.1 MessageDefinition Functionality

The SaleToPOISessionManagementRequest message is sent by a sale system to select an administrative service related to session management.

Outline

The SaleToPOISessionManagementRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Set of characteristics related to the transfer of the request.
- B. SessionManagementRequest
Information related to the session management request.
- C. SecurityTrailer
Trailer of the message containing a MAC or a digital signature.

6.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOISsnMgmtReq>	[1..1]			
	Header <Hdr>	[1..1]			255
	MessageFunction <MsgFctn>	[1..1]	CodeSet		255
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		256
	ExchangeIdentification <XchgId>	[1..1]	Text		256
	CreationDateTime <CreDtTm>	[1..1]	DateTime		256
	InitiatingParty <InitgPty>	[1..1]	±		256
	RecipientParty <RcptPty>	[0..1]	±		257
	Traceability <Tracblt>	[0..*]	±		258
	SessionManagementRequest <SsnMgmtReq>	[1..1]			258
	Environment <Envnt>	[1..1]	±		259
	Context <Cntxt>	[1..1]	±		266
	ServiceContent <SvcCntt>	[1..1]	CodeSet		269
	LoginRequest <LgnReq>	[0..1]			269
	LoginDateTime <LgnDtTm>	[1..1]	DateTime		270
	SaleSoftware <SaleSftwr>	[1..*]	±		270
	SaleTerminalData <SaleTermnlData>	[0..1]			272
	TerminalEnvironment <TermnlEnvnt>	[0..1]	CodeSet		272
	SaleReconciliationIdentification <SaleRcnccltnId>	[0..1]	Text		273
	TrainingModeFlag <TrngMdFlg>	[0..1]	Indicator		273
	CashierIdentification <CshrId>	[0..1]	Text		273
	CashierLanguage <CshrLang>	[1..1]	CodeSet	C6	273
	ShiftNumber <ShftNb>	[0..1]	Text		273
	TokenRequestedType <TknReqdTp>	[0..1]	CodeSet		274
	CustomerOrderRequest <CstmrOrdrrReq>	[0..1]	CodeSet		274
	POIIdentification <POIId>	[0..1]			274
	ItemNumber <ItmNb>	[0..1]	Text		274
	ProviderIdentification <PrvdrId>	[0..1]	Text		275
	Identification <Id>	[0..1]	Text		275
	SerialNumber <SrlNb>	[0..1]	Text		275

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalsGroupIdentification <TtlsGrpld>	[0..1]	Text		275
	OutputDisplay <OutptDisp>	[0..1]	±		275
	LogoutRequest <LgtReq>	[0..1]			276
	MaintenanceAllowed <MntncAllwd>	[0..1]	Indicator		276
	DiagnosisRequest <DgnssReq>	[0..1]			276
	HostDiagnosisFlag <HstDgnssFlg>	[0..1]	Indicator		277
	AcquirerIdentification <Acqrrld>	[0..*]	Text		277
	SupplementaryData <SplmtryData>	[0..*]	±	C5	277
	SecurityTrailer <SctyTrlr>	[0..1]	±		277

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 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.

6.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

6.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		255
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		256
	ExchangeIdentification <XchgId>	[1..1]	Text		256
	CreationDateTime <CreDtTm>	[1..1]	DateTime		256
	InitiatingParty <InitgPty>	[1..1]	±		256
	RecipientParty <RcptPty>	[0..1]	±		257
	Traceability <Tracblt>	[0..*]	±		258

6.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.

CodeName	Name	Definition
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

6.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

6.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

6.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

6.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

6.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

6.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

6.4.2 SessionManagementRequest <SsnMgmtReq>

Presence: [1..1]

Definition: Information related to the session management request.

SessionManagementRequest <SsnMgmtReq> contains the following
SessionManagementRequest5 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		259
	Context <Cntxt>	[1..1]	±		266
	ServiceContent <SvcCntt>	[1..1]	CodeSet		269
	LoginRequest <LgnReq>	[0..1]			269
	LoginDateTime <LgnDtTm>	[1..1]	DateTime		270
	SaleSoftware <SaleSftwr>	[1..*]	±		270
	SaleTerminalData <SaleTermnlData>	[0..1]			272
	TerminalEnvironment <TermnlEnvt>	[0..1]	CodeSet		272
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		273
	TrainingModeFlag <TrngMdFlg>	[0..1]	Indicator		273
	CashierIdentification <CshrlId>	[0..1]	Text		273
	CashierLanguage <CshrLang>	[1..1]	CodeSet	C6	273
	ShiftNumber <ShftNb>	[0..1]	Text		273
	TokenRequestedType <TknReqdTp>	[0..1]	CodeSet		274
	CustomerOrderRequest <CstmrOrdRReq>	[0..1]	CodeSet		274
	POIIdentification <POIId>	[0..1]			274
	ItemNumber <ItmNb>	[0..1]	Text		274
	ProviderIdentification <PrvdrId>	[0..1]	Text		275
	Identification <Id>	[0..1]	Text		275
	SerialNumber <SrlNb>	[0..1]	Text		275
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		275
	OutputDisplay <OutptDisp>	[0..1]	±		275
	LogoutRequest <LgtReq>	[0..1]			276
	MaintenanceAllowed <MntncAllwd>	[0..1]	Indicator		276
	DiagnosisRequest <DgnssReq>	[0..1]			276
	HostDiagnosisFlag <HstDgnssFlg>	[0..1]	Indicator		277
	AcquirerIdentification <AcqrrId>	[0..*]	Text		277
	SupplementaryData <SplmtryData>	[0..*]	±	C5	277

6.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LtyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmNrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

6.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService4Code" on page 968

CodeName	Name	Definition
SMIQ	AdministrativeSessionManagementLoginRequest	The Sale System requests a login to the POI System.
SMOQ	AdministrativeSessionManagementLogoutRequest	The Sale System requests a logout to the POI System.
SMDQ	AdministrativeSessionManagementDiagnosisRequest	The Sale System requests a session diagnosis to the POI System.

6.4.2.4 LoginRequest <LgnReq>

Presence: [0..1]

Definition: Content of the Login Request message.

LoginRequest <LgnReq> contains the following **LoginRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoginDateTime <LgnDtTm>	[1..1]	DateTime		270
	SaleSoftware <SaleSftwr>	[1..*]	±		270
	SaleTerminalData <SaleTermnlData>	[0..1]			272
	TerminalEnvironment <TermnlEnvnt>	[0..1]	CodeSet		272
	SaleReconciliationIdentification <SaleRcnccltnId>	[0..1]	Text		273
	TrainingModeFlag <TrngMdFlg>	[0..1]	Indicator		273
	CashierIdentification <CshrId>	[0..1]	Text		273
	CashierLanguage <CshrLang>	[1..1]	CodeSet	C6	273
	ShiftNumber <ShftNb>	[0..1]	Text		273
	TokenRequestedType <TknReqdTp>	[0..1]	CodeSet		274
	CustomerOrderRequest <CstmrOrdrrReq>	[0..1]	CodeSet		274
	POIIdentification <POIId>	[0..1]			274
	ItemNumber <ItmNb>	[0..1]	Text		274
	ProviderIdentification <PrvdrId>	[0..1]	Text		275
	Identification <Id>	[0..1]	Text		275
	SerialNumber <SrlNb>	[0..1]	Text		275
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		275
	OutputDisplay <OutptDisp>	[0..1]	±		275

6.4.2.4.1 LoginDateTime <LgnDtTm>

Presence: [1..1]

Definition: Date and Time of Login.

Datatype: "ISODateTime" on page 981

6.4.2.4.2 SaleSoftware <SaleSftwr>

Presence: [1..*]

Definition: Information related to the software of the Sale System which manages the Sale to POI protocol.

SaleSoftware <SaleSftwr> contains the following elements (see "PointOfInteractionComponent12" on page 803 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		805
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		806
	Identification <Id>	[1..1]			807
	ItemNumber <ItmNb>	[0..1]	Text		807
	ProviderIdentification <PrvdrId>	[0..1]	Text		807
	Identification <Id>	[0..1]	Text		807
	SerialNumber <SrlNb>	[0..1]	Text		807
	Status <Sts>	[0..1]			807
	VersionNumber <VrsnNb>	[0..1]	Text		808
	Status <Sts>	[0..1]	CodeSet		808
	ExpiryDate <XpryDt>	[0..1]	Date		808
	StandardCompliance <StdCmplc>	[0..*]			808
	Identification <Id>	[1..1]	Text		808
	Version <Vrsn>	[1..1]	Text		809
	Issuer <Issr>	[1..1]	Text		809
	Characteristics <Chrtcs>	[0..1]			809
	Memory <Mmry>	[0..*]			810
	Identification <Id>	[1..1]	Text		811
	TotalSize <TtlSz>	[1..1]	Quantity		811
	FreeSize <FreeSz>	[1..1]	Quantity		811
	Unit <Unit>	[1..1]	CodeSet		811
	Communication <Com>	[0..*]			811
	CommunicationType <ComTp>	[1..1]	CodeSet		812
	RemoteParty <RmotPty>	[1..*]	CodeSet		813
	Active <Actv>	[1..1]	Indicator		813
	Parameters <Params>	[0..1]	±		813
	PhysicalInterface <PhysIntrfc>	[0..1]			814
	InterfaceName <IntrfcNm>	[1..1]	Text		814
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		814
	UserName <UsrNm>	[0..1]	Text		815

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		815
	SecurityProfile <SctyPrfl>	[0..1]	Text		815
	AdditionalParameters <AddtlParams>	[0..1]	Binary		815
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		816
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		816
	SecurityElement <SctyElmt>	[0..*]	±		816
	Assessment <Assmnt>	[0..*]			816
	Type <Tp>	[1..1]	CodeSet		817
	Assigner <Assgnr>	[1..*]	Text		817
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		817
	ExpirationDate <XprtnDt>	[0..1]	DateTime		817
	Number <Nb>	[1..1]	Text		817
	Package <Packg>	[0..*]			818
	PackageIdentification <PackgId>	[0..1]	±		818
	PackageLength <PackgLngh>	[0..1]	Quantity		818
	OffsetStart <OffsetStart>	[0..1]	Quantity		818
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		819
	PackageBlock <PackgBlck>	[0..*]			819
	Identification <Id>	[1..1]	Text		819
	Value <Val>	[0..1]	Binary		819
	ProtectedValue <PrctcdVal>	[0..1]	±		819
	Type <Tp>	[0..1]	Text		820

6.4.2.4.3 SaleTerminalData <SaleTermnlData>

Presence: [0..1]

Definition: Information related to the software and hardware feature of the Sale Terminal.

SaleTerminalData <SaleTermnlData> contains the following **SaleTerminalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalEnvironment <TermnlEnvnt>	[0..1]	CodeSet		272
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		273

6.4.2.4.3.1 TerminalEnvironment <TermnlEnvnt>

Presence: [0..1]

Definition: Human attendance at the POI location during the transaction.

Datatype: "AttendanceContext1Code" on page 926

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.

6.4.2.4.3.2 SaleReconciliationIdentification <SaleRcncltnId>

Presence: [0..1]

Definition: Identifier of the reconciliation between the Sale system and the POI system.

Datatype: "Max35Text" on page 987

6.4.2.4.4 TrainingModeFlag <TrngMdFlg>

Presence: [0..1]

Definition: Training mode.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 983):

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

6.4.2.4.5 CashierIdentification <CshrId>

Presence: [0..1]

Definition: Identification of the cashier.

Datatype: "Max35Text" on page 987

6.4.2.4.6 CashierLanguage <CshrLang>

Presence: [1..1]

Definition: Language of the cashier.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 948

Constraints

- **ValidationByTable**
Must be a valid terrestrial language.

6.4.2.4.7 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Shift number of the cashier.

Datatype: "Max2NumericText" on page 987

6.4.2.4.8 TokenRequestedType <TknReqdTp>*Presence:* [0..1]*Definition:* Type of token replacing the PAN of a payment card to identify the payment mean of the customer.*Datatype:* "SaleTokenScope1Code" on page 972

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.

6.4.2.4.9 CustomerOrderRequest <CstmrOrdReq>*Presence:* [0..1]*Definition:* Type of customer orders that must be sent in response message.*Datatype:* "CustomerOrderRequest1Code" on page 940

CodeName	Name	Definition
BOTH	Both	All types of CustomerOrder should be listed, some are open others closed.
CLSD	Closed	Completed customer orders.
OPEN	Open	Customer order not completed.

6.4.2.4.10 POIIdentification <POIID>*Presence:* [0..1]*Definition:* POI Terminal identification.**POIIdentification <POIID>** contains the following **PointOfInteractionComponentIdentification2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemNumber <ItmNb>	[0..1]	Text		274
	ProviderIdentification <PrvdrId>	[0..1]	Text		275
	Identification <Id>	[0..1]	Text		275
	SerialNumber <SrlNb>	[0..1]	Text		275

6.4.2.4.10.1 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 987

6.4.2.4.10.2 ProviderIdentification <PrvdrId>

Presence: [0..1]

Definition: Identifies the provider of the software, hardware or parameters of the POI component.

Datatype: "Max35Text" on page 987

6.4.2.4.10.3 Identification <Id>

Presence: [0..1]

Definition: Identification of the POI component assigned by its provider.

Datatype: "Max256Text" on page 986

6.4.2.4.10.4 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number identifying an occurrence of an hardware component.

Datatype: "Max256Text" on page 986

6.4.2.4.11 TotalsGroupIdentification <TtlsGrpId>

Presence: [0..1]

Definition: Default group identification for transaction consolidation (Totals).

Datatype: "Max35Text" on page 987

6.4.2.4.12 OutputDisplay <OutptDisp>

Presence: [0..1]

Definition: Message to be displayed.

OutputDisplay <OutptDisp> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrnd>	[0..1]			800
	BarcodeType <BrndTp>	[1..1]	CodeSet		801
	BarcodeValue <BrndVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRcdNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

6.4.2.5 LogoutRequest <LgtReq>

Presence: [0..1]

Definition: Content of the Logout Request message.

LogoutRequest <LgtReq> contains the following **LogoutRequest1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaintenanceAllowed <MntncAllwd>	[0..1]	Indicator		276

6.4.2.5.1 MaintenanceAllowed <MntncAllwd>

Presence: [0..1]

Definition: Indicates that the POI terminal is able to go(or have to go) to maintenance.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 983):

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

6.4.2.6 DiagnosisRequest <DgnssReq>

Presence: [0..1]

Definition: Content of the Diagnosis Request message.

DiagnosisRequest <DgnssReq> contains the following **DiagnosisRequest1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HostDiagnosisFlag <HstDgnssFlg>	[0..1]	Indicator		277
	AcquirerIdentification <Acqrrld>	[0..*]	Text		277

6.4.2.6.1 HostDiagnosisFlag <HstDgnssFlg>

Presence: [0..1]

Definition: Indicates if Host Diagnosis are required.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

6.4.2.6.2 AcquirerIdentification <Acqrrld>

Presence: [0..*]

Definition: Identification of the Acquirers.

Datatype: ["Max35Text" on page 987](#)

6.4.2.7 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 681](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

6.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

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SaleToPOISessionManagementResponseV04

7.1 MessageDefinition Functionality

The SaleToPOISessionManagementResponse message is sent by a POI to provide the result of an administrative service related to session management.

Outline

The SaleToPOISessionManagementResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. SessionManagementResponse

Information related to the response of a session management request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

7.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOISsnMgmtRspn>	[1..1]			
	Header <Hdr>	[1..1]			282
	MessageFunction <MsgFctn>	[1..1]	CodeSet		282
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		283
	ExchangeIdentification <XchgId>	[1..1]	Text		283
	CreationDateTime <CreDtTm>	[1..1]	DateTime		283
	InitiatingParty <InitgPty>	[1..1]	±		283
	RecipientParty <RcptPty>	[0..1]	±		284
	Traceability <Tracblt>	[0..*]	±		285
	SessionManagementResponse <SsnMgmtRspn>	[1..1]			285
	Environment <Envt>	[1..1]	±		287
	Context <Cntxt>	[1..1]	±		293
	ServiceContent <SvcCntt>	[1..1]	CodeSet		296
	LoginResponse <LgnRspn>	[0..1]			296
	POIDateTime <POIDtTm>	[1..1]	DateTime		296
	POISoftware <POISftwr>	[1..*]	±		296
	POICapabilities <POICpblties>	[0..1]	±		298
	OutputDisplay <OutptDisp>	[0..1]	±		299
	DiagnosisResponse <DgnssRspn>	[0..1]			300
	LoggedSaleIdentification <LggdSaleId>	[0..*]	Text		301
	POIStatus <POISsts>	[0..1]			301
	POICapabilities <POICpblties>	[0..1]	±		302
	POIComponent <POICmpnt>	[0..*]	±		303
	POIGroupIdentification <POIGrpId>	[0..*]	Text		305
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		305
	POIDateTime <POIDtTm>	[1..1]	DateTime		306
	DataSetRequired <DataSetReqrd>	[0..*]			306
	Identification <Id>	[1..1]	±		306
	POIChallenge <POIChllng>	[0..1]	Binary		306
	TMChallenge <TMChllng>	[0..1]	Binary		307

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionKey <SsnKey>	[0..1]	±		307
	DelegationProof <DlgtProof>	[0..1]	Binary		307
	ProtectedDelegationProof <PrctcdDlgtProof>	[0..1]	±		307
	Event <Evt>	[0..*]	±		308
	Errors <Errs>	[0..*]	Text		308
	HostStatus <HstSts>	[0..*]			308
	AcquirerIdentification <Acqrrld>	[1..1]	Text		309
	Reachable <Rchbl>	[0..1]	Indicator		309
	Response <Rspn>	[1..1]	±		309
	SupplementaryData <SplmtryData>	[0..*]	±	C5	309
	SecurityTrailer <SctyTrlr>	[0..1]	±		310

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 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.

7.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

7.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		282
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		283
	ExchangeIdentification <XchgId>	[1..1]	Text		283
	CreationDateTime <CreDtTm>	[1..1]	DateTime		283
	InitiatingParty <InitgPty>	[1..1]	±		283
	RecipientParty <RcptPty>	[0..1]	±		284
	Traceability <Tracblt>	[0..*]	±		285

7.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.

CodeName	Name	Definition
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

7.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

7.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

7.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

7.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

7.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

7.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

7.4.2 SessionManagementResponse <SsnMgmtRspn>

Presence: [1..1]

Definition: Information related to the response of a session management request.

SessionManagementResponse <SsnMgmtRspn> contains the following
SessionManagementResponse5 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envnt>	[1..1]	±		287
	Context <Cntxt>	[1..1]	±		293
	ServiceContent <SvcCntt>	[1..1]	CodeSet		296
	LoginResponse <LgnRspn>	[0..1]			296
	POIDateTime <POIDtTm>	[1..1]	DateTime		296
	POISoftware <POISftwr>	[1..*]	±		296
	POICapabilities <POICpblties>	[0..1]	±		298
	OutputDisplay <OutptDisp>	[0..1]	±		299
	DiagnosisResponse <DgnssRspn>	[0..1]			300
	LoggedSaleIdentification <LggdSaleId>	[0..*]	Text		301
	POIStatus <POISts>	[0..1]			301
	POICapabilities <POICpblties>	[0..1]	±		302
	POIComponent <POICmpnt>	[0..*]	±		303
	POIGroupIdentification <POIGrpld>	[0..*]	Text		305
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		305
	POIDateTime <POIDtTm>	[1..1]	DateTime		306
	DataSetRequired <DataSetReqrd>	[0..*]			306
	Identification <Id>	[1..1]	±		306
	POIChallenge <POIChllng>	[0..1]	Binary		306
	TMChallenge <TMChllng>	[0..1]	Binary		307
	SessionKey <SsnKey>	[0..1]	±		307
	DelegationProof <DlgtProof>	[0..1]	Binary		307
	ProtectedDelegationProof <PrtctdDlgtProof>	[0..1]	±		307
	Event <Evt>	[0..*]	±		308
	Errors <Errs>	[0..*]	Text		308
	HostStatus <HstSts>	[0..*]			308
	AcquirerIdentification <Acqrrld>	[1..1]	Text		309
	Reachable <Rchbl>	[0..1]	Indicator		309
	Response <Rspn>	[1..1]	±		309
	SupplementaryData <SplmtryData>	[0..*]	±	C5	309

7.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LtyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BllgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

7.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <Spltpmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

7.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service answered.

Datatype: "RetailerService5Code" on page 968

CodeName	Name	Definition
SMIP	AdministrativeSessionManagementLoginResponse	The POI System responds to a login request.
SMOP	AdministrativeSessionManagementLogoutResponse	The POI System responds to a logout request.
SMDP	AdministrativeSessionManagementDiagnosisResponse	The POI System responds to a diagnosis request.

7.4.2.4 LoginResponse <LgnRspn>

Presence: [0..1]

Definition: Content of the Login Response message.

LoginResponse <LgnRspn> contains the following **LoginResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIDateTime <POIDtTm>	[1..1]	DateTime		296
	POISoftware <POISftwr>	[1..*]	±		296
	POICapabilities <POICpblties>	[0..1]	±		298
	OutputDisplay <OutptDisp>	[0..1]	±		299

7.4.2.4.1 POIDateTime <POIDtTm>

Presence: [1..1]

Definition: Date and Time of POI Login.

Datatype: "ISODateTime" on page 981

7.4.2.4.2 POISoftware <POISftwr>

Presence: [1..*]

Definition: Information related to the software of the POI System which manages the Sale to POI protocol.

POISoftware <POISftwr> contains the following elements (see "PointOfInteractionComponent12" on page 803 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		805
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		806
	Identification <Id>	[1..1]			807
	ItemNumber <ItmNb>	[0..1]	Text		807
	ProviderIdentification <PrvdrlId>	[0..1]	Text		807
	Identification <Id>	[0..1]	Text		807
	SerialNumber <SrlNb>	[0..1]	Text		807
	Status <Sts>	[0..1]			807
	VersionNumber <VrsnNb>	[0..1]	Text		808
	Status <Sts>	[0..1]	CodeSet		808
	ExpiryDate <XpryDt>	[0..1]	Date		808
	StandardCompliance <StdCmplc>	[0..*]			808
	Identification <Id>	[1..1]	Text		808
	Version <Vrsn>	[1..1]	Text		809
	Issuer <Issr>	[1..1]	Text		809
	Characteristics <Chrtcs>	[0..1]			809
	Memory <Mmry>	[0..*]			810
	Identification <Id>	[1..1]	Text		811
	TotalSize <TtlSz>	[1..1]	Quantity		811
	FreeSize <FreeSz>	[1..1]	Quantity		811
	Unit <Unit>	[1..1]	CodeSet		811
	Communication <Com>	[0..*]			811
	CommunicationType <ComTp>	[1..1]	CodeSet		812
	RemoteParty <RmotPty>	[1..*]	CodeSet		813
	Active <Actv>	[1..1]	Indicator		813
	Parameters <Params>	[0..1]	±		813
	PhysicalInterface <PhysIntrfc>	[0..1]			814
	InterfaceName <IntrfcNm>	[1..1]	Text		814
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		814
	UserName <UsrNm>	[0..1]	Text		815

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		815
	SecurityProfile <SctyPrfl>	[0..1]	Text		815
	AdditionalParameters <AddtlParams>	[0..1]	Binary		815
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		816
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		816
	SecurityElement <SctyElmt>	[0..*]	±		816
	Assessment <Assmnt>	[0..*]			816
	Type <Tp>	[1..1]	CodeSet		817
	Assigner <Assgnr>	[1..*]	Text		817
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		817
	ExpirationDate <XprtnDt>	[0..1]	DateTime		817
	Number <Nb>	[1..1]	Text		817
	Package <Packg>	[0..*]			818
	PackageIdentification <PackgId>	[0..1]	±		818
	PackageLength <PackgLngh>	[0..1]	Quantity		818
	OffsetStart <OffsetStart>	[0..1]	Quantity		818
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		819
	PackageBlock <PackgBlck>	[0..*]			819
	Identification <Id>	[1..1]	Text		819
	Value <Val>	[0..1]	Binary		819
	ProtectedValue <PrctcdVal>	[0..1]	±		819
	Type <Tp>	[0..1]	Text		820

7.4.2.4.3 POICapabilities <POICpblties>

Presence: [0..1]

Definition: Capabilities of the POI (Point Of Interaction) performing the transaction.

POICapabilities <POICpblties> contains the following elements (see "PointOfInteractionCapabilities9" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		825
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		826
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		826
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		827
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		827
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		827
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		827
	MessageCapabilities <MsgCpblties>	[0..*]			827
	Destination <Dstn>	[1..*]	CodeSet		828
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		828
	NumberOfLines <NbOfLines>	[0..1]	Quantity		828
	LineWidth <LineWidth>	[0..1]	Quantity		828
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	829

7.4.2.4.4 OutputDisplay <OutptDisp>

Presence: [0..1]

Definition: Message to be displayed.

OutputDisplay <OutptDisp> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

7.4.2.5 DiagnosisResponse <DgnssRspn>

Presence: [0..1]

Definition: Content of the Diagnosis Response message.

DiagnosisResponse <DgnssRspn> contains the following **DiagnosisResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoggedSaleIdentification <LggdSaleId>	[0..*]	Text		301
	POIStatus <POISts>	[0..1]			301
	POICapabilities <POICpblties>	[0..1]	±		302
	POIComponent <POICmpnt>	[0..*]	±		303
	POIGroupIdentification <POIGrpld>	[0..*]	Text		305
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		305
	POIDateTime <POIDtTm>	[1..1]	DateTime		306
	DataSetRequired <DataSetReqrd>	[0..*]			306
	Identification <Id>	[1..1]	±		306
	POIChallenge <POIChllng>	[0..1]	Binary		306
	TMChallenge <TMChllng>	[0..1]	Binary		307
	SessionKey <SsnKey>	[0..1]	±		307
	DelegationProof <DlgtProof>	[0..1]	Binary		307
	ProtectedDelegationProof <PrctcdDlgtProof>	[0..1]	±		307
	Event <Evt>	[0..*]	±		308
	Errors <Errs>	[0..*]	Text		308
	HostStatus <HstSts>	[0..*]			308
	AcquirerIdentification <AcqrId>	[1..1]	Text		309
	Reachable <Rchbl>	[0..1]	Indicator		309

7.4.2.5.1 LoggedSaleIdentification <LggdSaleId>

Presence: [0..*]

Definition: Sale Terminal logged to.

Datatype: "Max35Text" on page 987

7.4.2.5.2 POIStatus <POISts>

Presence: [0..1]

Definition: Status of the POI.

POIStatus <POISts> contains the following **StatusReportContent11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POICapabilities <POICpblties>	[0..1]	±		302
	POIComponent <POICmpnt>	[0..*]	±		303
	POIGroupIdentification <POIGrpld>	[0..*]	Text		305
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		305
	POIDateTime <POIDtTm>	[1..1]	DateTime		306
	DataSetRequired <DataSetReqrd>	[0..*]			306
	Identification <Id>	[1..1]	±		306
	POIChallenge <POIChllng>	[0..1]	Binary		306
	TMChallenge <TMChllng>	[0..1]	Binary		307
	SessionKey <SsnKey>	[0..1]	±		307
	DelegationProof <DlgtProof>	[0..1]	Binary		307
	ProtectedDelegationProof <PrtctdDlgtProof>	[0..1]	±		307
	Event <Evt>	[0..*]	±		308
	Errors <Errs>	[0..*]	Text		308

7.4.2.5.2.1 POICapabilities <POICpblties>

Presence: [0..1]

Definition: Capabilities of the POI (Point Of Interaction) performing the status report.

POICapabilities <POICpblties> contains the following elements (see "PointOfInteractionCapabilities9" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		825
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		826
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		826
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		827
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		827
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		827
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		827
	MessageCapabilities <MsgCpblties>	[0..*]			827
	Destination <Dstn>	[1..*]	CodeSet		828
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		828
	NumberOfLines <NbOfLines>	[0..1]	Quantity		828
	LineWidth <LineWidth>	[0..1]	Quantity		828
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	829

7.4.2.5.2.2 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to a component of the POI (Point Of Interaction) performing the status report.

POIComponent <POICmpnt> contains the following elements (see "PointOfInteractionComponent12" on page 803 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		805
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		806
	Identification <Id>	[1..1]			807
	ItemNumber <ItmNb>	[0..1]	Text		807
	ProviderIdentification <PrvdrlId>	[0..1]	Text		807
	Identification <Id>	[0..1]	Text		807
	SerialNumber <SrlNb>	[0..1]	Text		807
	Status <Sts>	[0..1]			807
	VersionNumber <VrsnNb>	[0..1]	Text		808
	Status <Sts>	[0..1]	CodeSet		808
	ExpiryDate <XpryDt>	[0..1]	Date		808
	StandardCompliance <StdCmplc>	[0..*]			808
	Identification <Id>	[1..1]	Text		808
	Version <Vrsn>	[1..1]	Text		809
	Issuer <Issr>	[1..1]	Text		809
	Characteristics <Chrtcs>	[0..1]			809
	Memory <Mmry>	[0..*]			810
	Identification <Id>	[1..1]	Text		811
	TotalSize <TtlSz>	[1..1]	Quantity		811
	FreeSize <FreeSz>	[1..1]	Quantity		811
	Unit <Unit>	[1..1]	CodeSet		811
	Communication <Com>	[0..*]			811
	CommunicationType <ComTp>	[1..1]	CodeSet		812
	RemoteParty <RmotPty>	[1..*]	CodeSet		813
	Active <Actv>	[1..1]	Indicator		813
	Parameters <Params>	[0..1]	±		813
	PhysicalInterface <PhysIntrfc>	[0..1]			814
	InterfaceName <IntrfcNm>	[1..1]	Text		814
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		814
	UserName <UsrNm>	[0..1]	Text		815

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		815
	SecurityProfile <SctyPrfl>	[0..1]	Text		815
	AdditionalParameters <AddtlParams>	[0..1]	Binary		815
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		816
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		816
	SecurityElement <SctyElmt>	[0..*]	±		816
	Assessment <Assmnt>	[0..*]			816
	Type <Tp>	[1..1]	CodeSet		817
	Assigner <Assgnr>	[1..*]	Text		817
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		817
	ExpirationDate <XprtnDt>	[0..1]	DateTime		817
	Number <Nb>	[1..1]	Text		817
	Package <Packg>	[0..*]			818
	PackageIdentification <PackgId>	[0..1]	±		818
	PackageLength <PackgLngh>	[0..1]	Quantity		818
	OffsetStart <OffsetStart>	[0..1]	Quantity		818
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		819
	PackageBlock <PackgBlck>	[0..*]			819
	Identification <Id>	[1..1]	Text		819
	Value <Val>	[0..1]	Binary		819
	ProtectedValue <PrctcdVal>	[0..1]	±		819
	Type <Tp>	[0..1]	Text		820

7.4.2.5.2.3 POIGroupIdentification <POIGrpId>*Presence:* [0..*]*Definition:* Identifier assigned to a set of POI terminals performing some categories of transactions.*Datatype:* "Max35Text" on page 987**7.4.2.5.2.4 AttendanceContext <AttndncCntxt>***Presence:* [0..1]*Definition:* Human attendance at the POI (Point Of Interaction) location during transactions.*Datatype:* "AttendanceContext1Code" on page 926

CodeName	Name	Definition
ATTD	Attended	Attended payment, with an attendant.

CodeName	Name	Definition
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.

7.4.2.5.2.5 POIDateTime <POIDtTm>

Presence: [1..1]

Definition: System date time of the point of interaction (POI) sending the status report.

Datatype: "ISODatetime" on page 981

7.4.2.5.2.6 DataSetRequired <DataSetReqrd>

Presence: [0..*]

Definition: Request the terminal management system to answer with the identified data set.

DataSetRequired <DataSetReqrd> contains the following **DataSetRequest3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	±		306
	POIChallenge <POIChllng>	[0..1]	Binary		306
	TMChallenge <TMChllng>	[0..1]	Binary		307
	SessionKey <SsnKey>	[0..1]	±		307
	DelegationProof <DlgtProof>	[0..1]	Binary		307
	ProtectedDelegationProof <PrctdDlgtProof>	[0..1]	±		307

7.4.2.5.2.6.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the required data set.

Identification <Id> contains the following elements (see "DataSetIdentification9" on page 721 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		721
	Type <Tp>	[1..1]	CodeSet		721
	Version <Vrsn>	[0..1]	Text		723
	CreationDateTime <CreDtTm>	[0..1]	DateTime		723

7.4.2.5.2.6.2 POIChallenge <POIChllng>

Presence: [0..1]

Definition: Point of interaction challenge for cryptographic key injection.

Datatype: "Max140Binary" on page 915

7.4.2.5.2.6.3 TMChallenge <TMChllng>

Presence: [0..1]

Definition: Terminal manager challenge for cryptographic key injection.

Datatype: "Max140Binary" on page 915

7.4.2.5.2.6.4 SessionKey <SsnKey>

Presence: [0..1]

Definition: Temporary encryption key that the host will use for protecting keys to download.

SessionKey <SsnKey> contains the following elements (see "CryptographicKey16" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		888
	AdditionalIdentification <AddtlId>	[0..1]	Binary		888
	Name <Nm>	[0..1]	Text		888
	SecurityProfile <SctyPrfl>	[0..1]	Text		889
	ItemNumber <ItmNb>	[0..1]	Text		889
	Version <Vrsn>	[1..1]	Text		889
	Type <Tp>	[0..1]	CodeSet		889
	Function <Fctn>	[0..*]	CodeSet		890
	ActivationDate <ActvtnDt>	[0..1]	DateTime		890
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		890
	KeyValue <KeyVal>	[0..1]	±		891
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		891
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			891
	Name <Nm>	[1..1]	Text		891
	Value <Val>	[0..1]	Text		891

7.4.2.5.2.6.5 DelegationProof <DlgtProof>

Presence: [0..1]

Definition: Proof of delegation to be validated by the terminal manager receiving a status report from a new POI.

Datatype: "Max5000Binary" on page 916

7.4.2.5.2.6.6 ProtectedDelegationProof <PrctcdDlgtProof>

Presence: [0..1]

Definition: Protected proof of delegation.

ProtectedDelegationProof <PrtctdDlgtProof> contains the following elements (see "ContentInformationType30" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		881
	EnvelopedData <EnvlpdData>	[0..1]	±		881
	AuthenticatedData <AuthntcdData>	[0..1]	±		882
	SignedData <SgndData>	[0..1]	±		883
	DigestedData <DgstdData>	[0..1]	±		884

7.4.2.5.2.7 Event <Evt>

Presence: [0..*]

Definition: Result of an individual terminal management action by the point of interaction.

Event <Evt> contains the following elements (see "TMSEvent9" on page 845 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TimeStamp <TmStmp>	[1..1]	DateTime		845
	Result <RsIt>	[1..1]	CodeSet		845
	ActionIdentification <ActnId>	[1..1]			846
	ActionType <ActnTp>	[1..1]	CodeSet		846
	DataSetIdentification <DataSetId>	[0..1]	±		847
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		847
	TerminalManagerIdentification <TermnlMgrld>	[0..1]	Text		847
	DeviceResponse <DvcRspn>	[0..1]	±		847

7.4.2.5.2.8 Errors <Errs>

Presence: [0..*]

Definition: Error log of the point of interaction since the last status report.

Datatype: "Max140Text" on page 985

7.4.2.5.3 HostStatus <HstSts>

Presence: [0..*]

Definition: State of a Host.

HostStatus <HstSts> contains the following **HostStatus1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquirerIdentification <Acqrrld>	[1..1]	Text		309
	Reachable <Rchbl>	[0..1]	Indicator		309

7.4.2.5.3.1 AcquirerIdentification <AcqrId>*Presence:* [1..1]*Definition:* Identification of the Acquirer.*Datatype:* "Max35Text" on page 987**7.4.2.5.3.2 Reachable <Rchbl>***Presence:* [0..1]*Definition:* Indicate if a Host is reachable.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 983):

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

7.4.2.6 Response <Rspn>*Presence:* [1..1]*Definition:* Result of the processing of the request.**Response <Rspn>** contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

7.4.2.7 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

7.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

8 casp.007.001.04 SaleToPOIAdministrativeRequestV04

8.1 MessageDefinition Functionality

The SaleToPOIAdministrativeRequest message is sent by a sale system to POI System to request for an Administrative service.

Outline

The SaleToPOIAdministrativeRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Set of characteristics related to the transfer of the request.
- B. AdministrativeRequest
Information related to the administrative request.
- C. SecurityTrailer
Trailer of the message containing a MAC or a digital signature.

8.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIAdmstvReq>	[1..1]			
	Header <Hdr>	[1..1]			312
	MessageFunction <MsgFctn>	[1..1]	CodeSet		313
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		313
	ExchangeIdentification <XchgId>	[1..1]	Text		314
	CreationDateTime <CreDtTm>	[1..1]	DateTime		314
	InitiatingParty <InitgPty>	[1..1]	±		314
	RecipientParty <RcptPty>	[0..1]	±		314
	Traceability <Tracblt>	[0..*]	±		315
	AdministrativeRequest <AdmstvReq>	[1..1]			315
	Environment <Envt>	[1..1]	±		316
	Context <Cntxt>	[1..1]	±		322
	AdministrativeServiceIdentification <AdmstvSvcId>	[0..1]	Text		325
	SupplementaryData <SplmtryData>	[0..*]	±	C5	325
	SecurityTrailer <SctyTrlr>	[0..1]	±		325

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 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.

8.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

8.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		313
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		313
	ExchangeIdentification <XchgId>	[1..1]	Text		314
	CreationDateTime <CreDtTm>	[1..1]	DateTime		314
	InitiatingParty <InitgPty>	[1..1]	±		314
	RecipientParty <RcptPty>	[0..1]	±		314
	Traceability <Tracblt>	[0..*]	±		315

8.4.1.1 MessageFunction <MsgFctn>*Presence:* [1..1]*Definition:* Identifies the type of process related to the message.*Datatype:* "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

8.4.1.2 ProtocolVersion <PrtcolVrsn>*Presence:* [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

8.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

8.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

8.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

8.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

8.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

8.4.2 AdministrativeRequest <AdmstvReq>

Presence: [1..1]

Definition: Information related to the administrative request.

AdministrativeRequest <AdmstvReq> contains the following **AdministrativeRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		316
	Context <Cntxt>	[1..1]	±		322
	AdministrativeServiceIdentification <AdmstvSvcId>	[0..1]	Text		325
	SupplementaryData <SplmtryData>	[0..*]	±	C5	325

8.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LltyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BllgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

8.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtedOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

8.4.2.3 AdministrativeServiceIdentification <AdmstvSvcd>

Presence: [0..1]

Definition: Identification of the administrative service to process.

Datatype: "Max20000Text" on page 986

8.4.2.4 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

8.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

9 casp.008.001.04 SaleToPOIAdministrativeResponseV04

9.1 MessageDefinition Functionality

The SaleToPOIAdministrativeResponse message is sent by a POI System to a sale system to provide response to an administrative service.

Outline

The SaleToPOIAdministrativeResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Set of characteristics related to the transfer of the request.
- B. AdministrativeResponse
Information related to the response of an administrative request.
- C. SecurityTrailer
Trailer of the message containing a MAC or a digital signature.

9.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIAdmstvRspn>	[1..1]			
	Header <Hdr>	[1..1]			327
	MessageFunction <MsgFctn>	[1..1]	CodeSet		328
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		328
	ExchangeIdentification <XchgId>	[1..1]	Text		329
	CreationDateTime <CreDtTm>	[1..1]	DateTime		329
	InitiatingParty <InitgPty>	[1..1]	±		329
	RecipientParty <RcptPty>	[0..1]	±		329
	Traceability <Tracblt>	[0..*]	±		330
	AdministrativeResponse <AdmstvRspn>	[1..1]			330
	Environment <Envt>	[1..1]	±		331
	Context <Cntxt>	[1..1]	±		337
	Response <Rspn>	[1..1]	±		340
	SupplementaryData <SplmtryData>	[0..*]	±	C5	340
	SecurityTrailer <SctyTrlr>	[0..1]	±		340

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 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.

9.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

9.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		328
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		328
	ExchangeIdentification <XchgId>	[1..1]	Text		329
	CreationDateTime <CreDtTm>	[1..1]	DateTime		329
	InitiatingParty <InitgPty>	[1..1]	±		329
	RecipientParty <RcptPty>	[0..1]	±		329
	Traceability <Tracblt>	[0..*]	±		330

9.4.1.1 MessageFunction <MsgFctn>*Presence:* [1..1]*Definition:* Identifies the type of process related to the message.*Datatype:* "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

9.4.1.2 ProtocolVersion <PrtcolVrsn>*Presence:* [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

9.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

9.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

9.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

9.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

9.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

9.4.2 AdministrativeResponse <AdmstvRspn>

Presence: [1..1]

Definition: Information related to the response of an administrative request.

AdministrativeResponse <AdmstvRspn> contains the following **AdministrativeResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		331
	Context <Cntxt>	[1..1]	±		337
	Response <Rspn>	[1..1]	±		340
	SupplementaryData <SplmtryData>	[0..*]	±	C5	340

9.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LltyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BllgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

9.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

9.4.2.3 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

9.4.2.4 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

9.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on [page 885](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

10 casp.009.001.04 SaleToPOIReportRequestV04

10.1 MessageDefinition Functionality

The SaleToPOIReportRequest message is sent by sale system to request a report service.

Outline

The SaleToPOIReportRequestV04 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.

10.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIRptReq>	[1..1]			
	Header <Hdr>	[1..1]			344
	MessageFunction <MsgFctn>	[1..1]	CodeSet		345
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		346
	ExchangeIdentification <XchgId>	[1..1]	Text		346
	CreationDateTime <CreDtTm>	[1..1]	DateTime		346
	InitiatingParty <InitgPty>	[1..1]	±		346
	RecipientParty <RcptPty>	[0..1]	±		347
	Traceability <Tracblt>	[0..*]	±		348
	ReportRequest <RptReq>	[1..1]			348
	Environment <Envt>	[1..1]	±		349
	Context <Cntxt>	[1..1]	±		355
	ServiceContent <SvcCntt>	[1..1]	CodeSet		358
	ReportTransactionRequest <RptTxReq>	[0..1]			358
	SearchCriteria <SchCrit>	[1..*]			358
	SearchOr <SchOr>	[1..*]			359
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360
	SearchOutputOrder <SchOutptOrd>	[0..1]			360
	CriteriaOrder <CritOrd>	[1..*]			360
	Target <Trgt>	[1..1]	Text		360
	DescendingOrder <DscndgOrd>	[0..1]	Indicator		360
	BlockStart <BlckStart>	[0..1]	Quantity		361
	BlockStop <BlckStop>	[0..1]	Quantity		361
	ReportGetTotalsRequest <RptGetTtlsReq>	[0..1]			361
	TotalDetails <TtlDtls>	[0..1]	CodeSet		361
	TotalFilter <TtlFltr>	[0..1]			362
	POIIdentification <POIID>	[0..1]	Text		362

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		362
	CashierIdentification <CshrlId>	[0..1]	Text		362
	ShiftNumber <ShftNb>	[0..1]	Text		362
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		362
	SupplementaryData <SplmtryData>	[0..*]	±	C5	363
	SecurityTrailer <SctyTrlr>	[0..1]	±		363

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 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.

10.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

10.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		345
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		346
	ExchangeIdentification <XchgId>	[1..1]	Text		346
	CreationDateTime <CreDtTm>	[1..1]	DateTime		346
	InitiatingParty <InitgPty>	[1..1]	±		346
	RecipientParty <RcptPty>	[0..1]	±		347
	Traceability <Tracblt>	[0..*]	±		348

10.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.

CodeName	Name	Definition
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

10.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

10.4.1.3 Exchangeldentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

10.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

10.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

10.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

10.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

10.4.2 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
	Environment <Envt>	[1..1]	±		349
	Context <Cntxt>	[1..1]	±		355
	ServiceContent <SvcCntt>	[1..1]	CodeSet		358
	ReportTransactionRequest <RptTxReq>	[0..1]			358
	SearchCriteria <SchCrit>	[1..*]			358
	SearchOr <SchOr>	[1..*]			359
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Optr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360
	SearchOutputOrder <SchOutputOrdr>	[0..1]			360
	CriteriaOrder <CritOrdr>	[1..*]			360
	Target <Trgt>	[1..1]	Text		360
	DescendingOrder <DscndgOrdr>	[0..1]	Indicator		360
	BlockStart <BlickStart>	[0..1]	Quantity		361
	BlockStop <BlickStop>	[0..1]	Quantity		361
	ReportGetTotalsRequest <RptGetTtlsReq>	[0..1]			361
	TotalDetails <TtlDtls>	[0..1]	CodeSet		361
	TotalFilter <TtlFiltr>	[0..1]			362
	POIIdentification <POIID>	[0..1]	Text		362
	SaleIdentification <SaleId>	[0..1]	Text		362
	CashierIdentification <CshrlId>	[0..1]	Text		362
	ShiftNumber <ShftNb>	[0..1]	Text		362
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		362
	SupplementaryData <SplmtryData>	[0..*]	±	C5	363

10.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LtyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <Crdhldrld>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <Drvrld>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScsSctyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxldNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

10.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

10.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService6Code" on page 969

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.

10.4.2.4 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
	SearchCriteria <SchCrit>	[1..*]			358
	SearchOr <SchOr>	[1..*]			359
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360
	SearchOutputOrder <SchOutptOrdr>	[0..1]			360
	CriteriaOrder <CritOrdr>	[1..*]			360
	Target <Trgt>	[1..1]	Text		360
	DescendingOrder <DscndgOrdr>	[0..1]	Indicator		360
	BlockStart <BlckStart>	[0..1]	Quantity		361
	BlockStop <BlckStop>	[0..1]	Quantity		361

10.4.2.4.1 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
	SearchOr <SchOr>	[1..*]			359
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360

10.4.2.4.1.1 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
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360

10.4.2.4.1.1.1 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
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360

10.4.2.4.1.1.1.1 Target <Trgt>

Presence: [1..1]

Definition: Identifier of target element.

Datatype: "Max500Text" on page 988

10.4.2.4.1.1.1.2 Operator <Oprtr>

Presence: [1..1]

Definition: Comparison operator used to evaluate matching transactions vs criteria.

Datatype: "Operator1Code" on page 952

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.

10.4.2.4.1.1.3 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 988

10.4.2.4.2 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
	CriteriaOrder <CritOrdr>	[1..*]			360
	Target <Trgt>	[1..1]	Text		360

10.4.2.4.2.1 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
	Target <Trgt>	[1..1]	Text		360

10.4.2.4.2.1.1 Target <Trgt>

Presence: [1..1]

Definition: Identifier of target element.

Datatype: "Max500Text" on page 988

10.4.2.4.3 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 983):

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

10.4.2.4.4 BlockStart <BlckStart>

Presence: [0..1]

Definition: Index of the first transaction matching the search criteria.

Datatype: "PositiveNumber" on page 983

10.4.2.4.5 BlockStop <BlckStop>

Presence: [0..1]

Definition: Index of the last transaction matching the search criteria.

Datatype: "PositiveNumber" on page 983

10.4.2.5 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
	TotalDetails <TtlDtls>	[0..1]	CodeSet		361
	TotalFilter <TtlFltr>	[0..1]			362
	POIIdentification <POIID>	[0..1]	Text		362
	SaleIdentification <SaleId>	[0..1]	Text		362
	CashierIdentification <CshrlId>	[0..1]	Text		362
	ShiftNumber <ShftNb>	[0..1]	Text		362
	TotalsGroupIdentification <TtlsGrpld>	[0..1]	Text		362

10.4.2.5.1 TotalDetails <TtlDtls>

Presence: [0..1]

Definition: Indicates the hierarchical structure of the report.

Datatype: "TotalDetails1Code" on page 976

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.

10.4.2.5.2 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
	POIIdentification <POIId>	[0..1]	Text		362
	SaleIdentification <SaleId>	[0..1]	Text		362
	CashierIdentification <CshrlId>	[0..1]	Text		362
	ShiftNumber <ShftNb>	[0..1]	Text		362
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		362

10.4.2.5.2.1 POIIdentification <POIId>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 987

10.4.2.5.2.2 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 987

10.4.2.5.2.3 CashierIdentification <CshrlId>

Presence: [0..1]

Definition: Identification of the cashier who carried out the transaction.

Datatype: "Max35Text" on page 987

10.4.2.5.2.4 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max35Text" on page 987

10.4.2.5.2.5 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 987

10.4.2.6 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

10.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

11 **casp.010.001.04** **SaleToPOIReportResponseV04**

11.1 **MessageDefinition Functionality**

This SaleToPOIReportResponse message is sent by a POI to provide the report previously expected by a sale system.

Outline

The SaleToPOIReportResponseV04 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.

11.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIRptRspn>	[1..1]			
	Header <Hdr>	[1..1]			368
	MessageFunction <MsgFctn>	[1..1]	CodeSet		368
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		369
	ExchangeIdentification <XchgId>	[1..1]	Text		369
	CreationDateTime <CreDtTm>	[1..1]	DateTime		370
	InitiatingParty <InitgPty>	[1..1]	±		370
	RecipientParty <RcptPty>	[0..1]	±		370
	Traceability <Tracblt>	[0..*]	±		371
	ReportResponse <RptRspn>	[1..1]			371
	Environment <Envt>	[1..1]	±		374
	Context <Cntxt>	[1..1]	±		380
	ServiceContent <SvcCntt>	[1..1]	CodeSet		383
	ReportTransactionResponse <RptTxRspn>	[0..1]			383
	ReportFullSize <RptFullSz>	[1..1]	Quantity		385
	BlockStart <BlckStart>	[1..1]	Quantity		385
	BlockStop <BlckStop>	[1..1]	Quantity		385
	TransactionReport <TxRpt>	[0..*]			385
	Response <Rspn>	[1..1]	±		386
	PaymentResponse <PmtRspn>	[0..1]			387
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcncldId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LltyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396
	SaleItemRebate <SaleitmRbt>	[0..*]			396
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397
	CustomerOrder <CstmrOrd>	[0..*]	±		397
	ReportGetTotalsResponse <RptGetTtlsRspn>	[0..1]			398
	POIReconciliationIdentification <POIRcncltnId>	[1..1]	Text		400
	TransactionTotalsSet <TxTtlsSet>	[0..*]			400
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		402
	AcquirerIdentification <Acqrrld>	[0..1]	Text		402
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		402
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		402
	Brand <Brnd>	[0..1]	Text		402
	POIIdentification <POIId>	[0..1]	Text		402
	SaleIdentification <SaleId>	[0..1]	Text		403
	CashierIdentification <CshrlId>	[0..1]	Text		403
	ShiftNumber <ShftNb>	[0..1]	Text		403
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			403
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <Regldr>	[1..1]	Text		404
	TransactionTotal <TxTtl>	[1..1]			404
	POIGroupIdentification <POIGrpld>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtldAmt>	[0..1]	±		405
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			406
	POIGroupIdentification <POIGrpld>	[0..1]	Text		406
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408
	DetailedAmount <DtldAmt>	[0..1]	±		408
	Response <Rspn>	[1..1]	±		408
	SupplementaryData <SplmtryData>	[0..*]	±	C5	408
	SecurityTrailer <SctyTrlr>	[0..1]	±		409

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 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.

11.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

11.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		368
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		369
	ExchangeIdentification <XchgId>	[1..1]	Text		369
	CreationDateTime <CreDtTm>	[1..1]	DateTime		370
	InitiatingParty <InitgPty>	[1..1]	±		370
	RecipientParty <RcptPty>	[0..1]	±		370
	Traceability <Tracblt>	[0..*]	±		371

11.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

11.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

11.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

11.4.1.4 CreationDate <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

11.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

11.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

11.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

11.4.2 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
	Environment <Envt>	[1..1]	±		374
	Context <Cntxt>	[1..1]	±		380
	ServiceContent <SvcCntt>	[1..1]	CodeSet		383
	ReportTransactionResponse <RptTxRspn>	[0..1]			383
	ReportFullSize <RptFullSz>	[1..1]	Quantity		385
	BlockStart <BlckStart>	[1..1]	Quantity		385
	BlockStop <BlckStop>	[1..1]	Quantity		385
	TransactionReport <TxRpt>	[0..*]			385
	Response <Rspn>	[1..1]	±		386
	PaymentResponse <PmtRspn>	[0..1]			387
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LltyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvICd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItemRebate <SaleItmRbt>	[0..*]			396
	SaleItem <SaleItm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397
	CustomerOrder <CstmrOrd>	[0..*]	±		397
	ReportGetTotalsResponse <RptGetTtlsRspn>	[0..1]			398
	POIReconciliationIdentification <POIRcncltnld>	[1..1]	Text		400
	TransactionTotalsSet <TxTtlsSet>	[0..*]			400
	PaymentInstrumentType <PmtlnstrmTp>	[1..1]	CodeSet		402
	AcquirerIdentification <Acqrrld>	[0..1]	Text		402
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		402
	SaleReconciliationIdentification <SaleRcncltnld>	[0..1]	Text		402
	Brand <Brnd>	[0..1]	Text		402
	POIIdentification <POIld>	[0..1]	Text		402
	SaleIdentification <Saleld>	[0..1]	Text		403
	CashierIdentification <Cshrlld>	[0..1]	Text		403
	ShiftNumber <ShftNb>	[0..1]	Text		403
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			403
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <Regdldr>	[1..1]	Text		404
	TransactionTotal <TxTtl>	[1..1]			404
	POIGroupIdentification <POIGrpld>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtldAmt>	[0..1]	±		405
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			406

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIGroupIdentification <POIGrpId>	[0..1]	Text		406
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408
	DetailedAmount <DtldAmt>	[0..1]	±		408
	Response <Rspn>	[1..1]	±		408
	SupplementaryData <SplmtryData>	[0..*]	±	C5	408

11.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LltyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

11.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

11.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService7Code" on page 969

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.

11.4.2.4 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
	ReportFullSize <RptFullSz>	[1..1]	Quantity		385
	BlockStart <BlckStart>	[1..1]	Quantity		385
	BlockStop <BlckStop>	[1..1]	Quantity		385
	TransactionReport <TxRpt>	[0..*]			385
	Response <Rspn>	[1..1]	±		386
	PaymentResponse <PmtRspn>	[0..1]			387
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LltyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396
	SaleItemRebate <SaleitmRbt>	[0..*]			396
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..*]	±		397

11.4.2.4.1 ReportFullSize <RptFullSz>

Presence: [1..1]

Definition: The total number of transactions matching the search criteria.

Datatype: "PositiveNumber" on page 983

11.4.2.4.2 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 983

11.4.2.4.3 BlockStop <BlckStop>

Presence: [1..1]

Definition: Index of the last transaction reported in this message.

Datatype: "PositiveNumber" on page 983

11.4.2.4.4 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
	Response <Rspn>	[1..1]	±		386
	PaymentResponse <PmtRspn>	[0..1]			387
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcnclnId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LtyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcnclnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLabl>	[0..1]	Text		396
	SaleItemRebate <SaleItmRbt>	[0..*]			396
	SaleItem <SaleItm>	[1..1]	±		396
	RebateLabel <RbtLabl>	[0..1]	Text		397
	CustomerOrder <CstmrOrdr>	[0..*]	±		397

11.4.2.4.4.1 Response <Rspn>

Presence: [1..1]

Definition: Response for this specific transaction.

Response <Rspn> contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

11.4.2.4.4.2 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
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LltyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLabl>	[0..1]	Text		396
	SaleItemRebate <SaleitmRbt>	[0..*]			396
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLabl>	[0..1]	Text		397
	CustomerOrder <CstmrOrd>	[0..*]	±		397

11.4.2.4.4.2.1 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

11.4.2.4.4.2.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 987

11.4.2.4.4.2.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

11.4.2.4.4.2.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: ["Max35Text"](#) on page 987

11.4.2.4.4.2.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 985

11.4.2.4.4.2.6 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		684
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		685
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		685
	RequestedTransaction <ReqdTxx>	[0..1]	±		686
	TransactionResponse <TxRspn>	[0..1]			690
	AuthorisationResult <AuthstnRslt>	[1..1]			693
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		693
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			693
	Response <Rspn>	[1..1]	CodeSet		694
	ResponseReason <RspnRsn>	[0..1]	Text		694
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		694
	AuthorisationCode <AuthstnCd>	[0..1]	Text		694
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		694
	TMSTrigger <TMSTrggr>	[0..1]			695
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		695
	TMSIdentification <TMSId>	[0..1]	Text		695
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		695
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			695
	Method <Mtd>	[1..1]	CodeSet		696
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		697
	Result <Rslt>	[0..1]	CodeSet		697
	AdditionalResult <AddtlRslt>	[0..1]	Text		697
	AllowedProductCode <AllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		699

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		699
	AmountLimit <AmtLmt>	[0..1]	Amount		699
	QuantityLimit <QtyLmt>	[0..1]	Quantity		699
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		699
	Balance <Bal>	[0..1]	±		701
	ProtectedBalance <PrtctdBal>	[0..1]	±		701
	Action <Actn>	[0..*]			702
	ActionType <ActnTp>	[1..1]	CodeSet		702
	MessageToPresent <MsgToPres>	[0..1]	±		703
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			703
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		704
	TargetCurrency <TrgtCcy>	[1..1]			705
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	705
	NumericCode <NmrcCd>	[1..1]	Text		705
	Decimal <Dcml>	[1..1]	Quantity		705
	Name <Nm>	[0..1]	Text		705
	ResultingAmount <RsltgAmt>	[1..1]	Amount		706
	ExchangeRate <XchgRate>	[1..1]	Rate		706
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		706
	QuotationDate <QtnDt>	[0..1]	DateTime		706
	ValidUntil <VldUntil>	[0..1]	DateTime		706
	SourceCurrency <SrcCcy>	[1..1]			706
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	706
	NumericCode <NmrcCd>	[0..1]	Text		707
	Decimal <Dcml>	[0..1]	Quantity		707
	Name <Nm>	[0..1]	Text		707
	OriginalAmount <OrgnlAmt>	[1..1]			707
	ActualAmount <ActlAmt>	[0..1]	Amount		707
	MinimumAmount <MinAmt>	[0..1]	Amount		707
	MaximumAmount <MaxAmt>	[0..1]	Amount		708
	CommissionDetails <ComssnDtls>	[0..*]			708

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		708
	MarkUpDetails <MrkUpDtls>	[0..*]			708
	Rate <Rate>	[1..1]	Rate		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		709
	DeclarationDetails <Dclrtndtls>	[0..*]	±		709
	CustomerOrder <CstmrOrd>	[0..*]	±		709
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			710
	ImageFormat <ImgFrmt>	[1..1]	Text		710
	ImageData <ImgData>	[0..1]	Binary		710
	ImageReference <ImgRef>	[0..1]	Text		711
	AdditionalInformation <AddtlInf>	[0..1]	Text		711
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		711
	MerchantOverrideFlag <MrchntOvrdrFlg>	[0..1]	Indicator		711
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	711
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		711

11.4.2.4.4.2.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "[PaymentReceipt4](#)" on page 716 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		717
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		717
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		717
	OutputContent <OutptCntt>	[1..1]	±		718

11.4.2.4.4.2.8 LoyaltyResult <LltyRslt>

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
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396
	SaleItemRebate <SaleItmRbt>	[0..*]			396
	SaleItem <SaleItm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397

11.4.2.4.4.2.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

11.4.2.4.4.2.8.2 Amount <Amt>*Presence:* [0..1]*Definition:* Amount.**Amount <Amt>** contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394

11.4.2.4.4.2.8.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

11.4.2.4.4.2.8.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

11.4.2.4.4.2.8.2.3 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**11.4.2.4.4.2.8.3 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
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvICd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395

11.4.2.4.4.2.8.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 987

11.4.2.4.4.2.8.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: "Min6Max8Text" on page 990

11.4.2.4.4.2.8.3.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

11.4.2.4.4.2.8.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: "Max35Text" on page 987

11.4.2.4.4.2.8.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396
	SaleItemRebate <SaleitmRbt>	[0..*]			396
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397

11.4.2.4.4.2.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: "ImpliedCurrencyAndAmount" on page 914

11.4.2.4.4.2.8.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

11.4.2.4.4.2.8.4.3 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
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397

11.4.2.4.4.2.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 831 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

11.4.2.4.4.2.8.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

11.4.2.4.4.2.9 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 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

11.4.2.5 ReportGetTotalsResponse <RptGetTtlsRspn>

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
	POIReconciliationIdentification <POIRcncltnId>	[1..1]	Text		400
	TransactionTotalsSet <TxTtlsSet>	[0..*]			400
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		402
	AcquirerIdentification <AcqrId>	[0..1]	Text		402
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		402
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		402
	Brand <Brnd>	[0..1]	Text		402
	POIIdentification <POIID>	[0..1]	Text		402
	SaleIdentification <SaleId>	[0..1]	Text		403
	CashierIdentification <CshrlId>	[0..1]	Text		403
	ShiftNumber <ShftNb>	[0..1]	Text		403
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			403
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <Regldr>	[1..1]	Text		404
	TransactionTotal <TxTtl>	[1..1]			404
	POIGroupIdentification <POIGrpId>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtldAmt>	[0..1]	±		405
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			406
	POIGroupIdentification <POIGrpId>	[0..1]	Text		406
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408
	DetailedAmount <DtldAmt>	[0..1]	±		408

11.4.2.5.1 POIReconciliationIdentification <POIRcncldId>

Presence: [1..1]

Definition: Identification of the reconciliation period between Sale and POI.

Datatype: "Max35Text" on page 987

11.4.2.5.2 TransactionTotalsSet <TxTtlsSet>

Presence: [0..*]

Definition: Result of the Sale to POI Totals processing.

TransactionTotalsSet <TxTtlsSet> contains the following **TransactionTotalsSet1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		402
	AcquirerIdentification <Acqrrld>	[0..1]	Text		402
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		402
	SaleReconciliationIdentification <SaleRcncltnld>	[0..1]	Text		402
	Brand <Brnd>	[0..1]	Text		402
	POIIdentification <POIld>	[0..1]	Text		402
	SaleIdentification <Saleld>	[0..1]	Text		403
	CashierIdentification <Cshrlld>	[0..1]	Text		403
	ShiftNumber <ShftNb>	[0..1]	Text		403
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			403
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <Regldr>	[1..1]	Text		404
	TransactionTotal <TxTtl>	[1..1]			404
	POIGroupIdentification <POIGrpld>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtlldAmt>	[0..1]	±		405
	LoyaltyTransactionTotal <LtyTxTtl>	[0..*]			406
	POIGroupIdentification <POIGrpld>	[0..1]	Text		406
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DetailedAmount <DtldAmt>	[0..1]	±		408

11.4.2.5.2.1 PaymentInstrumentType <PmtInstrmTp>

Presence: [1..1]

Definition: Type of payment instrument.

Datatype: "PaymentInstrumentType1Code" on page 955

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.

11.4.2.5.2.2 AcquirerIdentification <Acqrrld>

Presence: [0..1]

Definition: Identification of an Acquirer.

Datatype: "Max35Text" on page 987

11.4.2.5.2.3 ReconciliationIdentification <Rcncltnld>

Presence: [0..1]

Definition: Identifier of a host reconciliation period: acquirer for a payment or server for loyalty.

Datatype: "Max35Text" on page 987

11.4.2.5.2.4 SaleReconciliationIdentification <SaleRcncltnld>

Presence: [0..1]

Definition: Identifier of a reconciliation period on the sale system.

Datatype: "Max35Text" on page 987

11.4.2.5.2.5 Brand <Brnd>

Presence: [0..1]

Definition: Brand of payment card or loyalty system.

Datatype: "Max35Text" on page 987

11.4.2.5.2.6 POIIdentification <POIld>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 987

11.4.2.5.2.7 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 987**11.4.2.5.2.8 CashierIdentification <CshrlId>***Presence:* [0..1]*Definition:* Identification of the cashier who carried out the transactions.*Datatype:* "Max35Text" on page 987**11.4.2.5.2.9 ShiftNumber <ShftNb>***Presence:* [0..1]*Definition:* Identifies the shift of the cashier.*Datatype:* "Max2NumericText" on page 987**11.4.2.5.2.10 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
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <RegIdr>	[1..1]	Text		404

11.4.2.5.2.10.1 CommonName <CmonNm>*Presence:* [1..1]*Definition:* Name of the merchant.*Datatype:* "Max70Text" on page 989**11.4.2.5.2.10.2 Address <Adr>***Presence:* [0..1]*Definition:* Location of the merchant.*Datatype:* "Max140Text" on page 985**11.4.2.5.2.10.3 CountryCode <CtryCd>***Presence:* [1..1]*Definition:* Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 947

11.4.2.5.2.10.4 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 990

11.4.2.5.2.10.5 RegisteredIdentifier <RegldIdr>

Presence: [1..1]

Definition: Identifier of the sponsored merchant assigned by the payment facilitator of their acquirer.

Datatype: "Max35Text" on page 987

11.4.2.5.2.11 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
	POIGroupIdentification <POIGrpId>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtldAmt>	[0..1]	±		405

11.4.2.5.2.11.1 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 987

11.4.2.5.2.11.2 CardProductProfile <CardPdctPrfl>

Presence: [0..1]

Definition: Category of cards related the acceptance processing rules defined by the acquirer.

Datatype: "Max35Text" on page 987

11.4.2.5.2.11.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction totals.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

11.4.2.5.2.11.4 Type <Tp>

Presence: [1..1]

Definition: Identification of the type of transaction.

Datatype: "TypeTransactionTotals3Code" on page 978

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.

11.4.2.5.2.11.5 TotalNumber <TtlNb>

Presence: [1..1]

Definition: Total number of transactions during a reconciliation period.

Datatype: "Number" on page 983

11.4.2.5.2.11.6 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 914

11.4.2.5.2.11.7 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 626 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		626
	CashBack <CshBck>	[0..1]	Amount		626
	Gratuity <Grtty>	[0..1]	Amount		626
	Fees <Fees>	[0..*]	±		627
	Rebate <Rbt>	[0..*]	±		627
	ValueAddedTax <ValAddedTax>	[0..*]	±		627
	Surcharge <Srchr>	[0..*]	±		627

11.4.2.5.2.12 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
	POIGroupIdentification <POIGrpId>	[0..1]	Text		406
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408
	DetailedAmount <DtldAmt>	[0..1]	±		408

11.4.2.5.2.12.1 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 987

11.4.2.5.2.12.2 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 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

11.4.2.5.2.12.3 CardProductProfile <CardPdctPrfl>

Presence: [0..1]

Definition: Cards category related to the acceptance processing rules defined by the Loyalty provider.

Datatype: "Max35Text" on page 987

11.4.2.5.2.12.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction totals.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

11.4.2.5.2.12.5 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of Loyalty transaction for Report.

Datatype: "LoyaltyTypeTransactionTotals1Code" on page 950

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.

11.4.2.5.2.12.6 TotalNumber <TtlNb>

Presence: [1..1]

Definition: Total number of transactions during a reconciliation period.

Datatype: "Number" on page 983

11.4.2.5.2.12.7 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 914

11.4.2.5.2.12.8 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 626 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		626
	CashBack <CshBck>	[0..1]	Amount		626
	Gratuity <Grtty>	[0..1]	Amount		626
	Fees <Fees>	[0..*]	±		627
	Rebate <Rbt>	[0..*]	±		627
	ValueAddedTax <ValAddedTax>	[0..*]	±		627
	Surcharge <Srchr>	[0..*]	±		627

11.4.2.6 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

11.4.2.7 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

11.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

12 casp.011.001.04 SaleToPOIAbortV04

12.1 MessageDefinition Functionality

The SaleToPOIAbort message is sent by a sale system to abort process on POI.

Outline

The SaleToPOIAbortV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. Abort

Information related to an abort request.

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> <SaleToPOIAbrt>	[1..1]			
	Header <Hdr>	[1..1]			412
	MessageFunction <MsgFctn>	[1..1]	CodeSet		412
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		413
	Exchangeldentification <Xchgld>	[1..1]	Text		413
	CreationDateTime <CreDtTm>	[1..1]	DateTime		414
	InitiatingParty <InitgPty>	[1..1]	±		414
	RecipientParty <RcptPty>	[0..1]	±		414
	Traceability <Tracblt>	[0..*]	±		415
	Abort <Abrt>	[1..1]			415
	Environment <Envt>	[1..1]	±		416
	Context <Cntxt>	[1..1]	±		422
	SystemAbort <SysAbrt>	[1..1]			425
	Exchangeldentification <Xchgld>	[1..1]	Text		425
	AbortReason <AbrtRsn>	[1..1]	Text		425
	DisplayOutput <DispOutpt>	[0..1]	±		425
	TransactionSuccess <TxSucss>	[0..1]	Indicator		426
	SupplementaryData <SplmtryData>	[0..*]	±	C5	426
	SecurityTrailer <SctyTrlr>	[0..1]	±		427

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 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.

12.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

12.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		412
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		413
	ExchangeIdentification <XchgId>	[1..1]	Text		413
	CreationDateTime <CreDtTm>	[1..1]	DateTime		414
	InitiatingParty <InitgPty>	[1..1]	±		414
	RecipientParty <RcptPty>	[0..1]	±		414
	Traceability <Tracblt>	[0..*]	±		415

12.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or

CodeName	Name	Definition
		software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

12.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

12.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

12.4.1.4 CreationDateTime <CreDtTm>*Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODateTime" on page 981**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 "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

12.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

12.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

12.4.2 Abort <Abrt>

Presence: [1..1]

Definition: Information related to an abort request.

Abort <Abrt> contains the following **SystemAbort5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		416
	Context <Cntxt>	[1..1]	±		422
	SystemAbort <SysAbrt>	[1..1]			425
	Exchangeldentification <Xchgld>	[1..1]	Text		425
	AbortReason <AbrtRsn>	[1..1]	Text		425
	DisplayOutput <DispOutpt>	[0..1]	±		425
	TransactionSuccess <TxSucss>	[0..1]	Indicator		426
	SupplementaryData <SplmtryData>	[0..*]	±	C5	426

12.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LtyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

12.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <Spltpmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

12.4.2.3 SystemAbort <SysAbrt>

Presence: [1..1]

Definition: Body of the Abort Request message.

SystemAbort <SysAbrt> contains the following **AbortData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		425
	AbortReason <AbrtRsn>	[1..1]	Text		425
	DisplayOutput <DispOutpt>	[0..1]	±		425
	TransactionSuccess <TxSucss>	[0..1]	Indicator		426

12.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Message identifier.

Datatype: "Max35Text" on page 987

12.4.2.3.2 AbortReason <AbrtRsn>

Presence: [1..1]

Definition: Reason of aborting a transaction.

Datatype: "Max140Text" on page 985

12.4.2.3.3 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: To display an abort message to the Customer.

DisplayOutput <DispOutput> contains the following elements (see ["ActionMessage9"](#) on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRcdNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

12.4.2.3.4 TransactionSuccess <TxSucss>

Presence: [0..1]

Definition: Outcome of the transaction at the acceptor.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 983):

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

12.4.2.4 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

12.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

13 casp.012.001.04

SaleToPOIEventNotificationV04

13.1 MessageDefinition Functionality

The SaleToPOIEventNotification message is sent by a POI or a sale terminal to inform the other about the happening of an event.

Outline

The SaleToPOIEventNotificationV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. EventNotification

Information related to the notification of an event.

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
	<i>Message root <Document> <SaleToPOIEvtNtfctn></i>	[1..1]			
	Header <Hdr>	[1..1]			430
	MessageFunction <MsgFctn>	[1..1]	CodeSet		431
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		431
	ExchangeIdentification <XchgId>	[1..1]	Text		432
	CreationDateTime <CreDtTm>	[1..1]	DateTime		432
	InitiatingParty <InitgPty>	[1..1]	±		432
	RecipientParty <RcptPty>	[0..1]	±		432
	Traceability <Tracblt>	[0..*]	±		433
	EventNotification <EvtNtfctn>	[1..1]			433
	Environment <Envt>	[1..1]	±		434
	Context <Cntxt>	[1..1]	±		440
	EventNotification <EvtNtfctn>	[1..1]			443
	RetailerEvent <RtlrEvt>	[1..1]			443
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		444
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		444
	EventContext <EvtCntxt>	[0..1]			445
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		450
	MaintenanceRequiredFlag <MntncReqrdFlg>	[0..1]	Indicator		450
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	451
	DisplayOutput <DispOutpt>	[0..1]	±		451
	SupplementaryData <SplmtryData>	[0..*]	±	C5	452
	SecurityTrailer <SctyTrlr>	[0..1]	±		452

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 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.

13.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

13.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		431
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		431
	ExchangeIdentification <XchgId>	[1..1]	Text		432
	CreationDateTime <CreDtTm>	[1..1]	DateTime		432
	InitiatingParty <InitgPty>	[1..1]	±		432
	RecipientParty <RcptPty>	[0..1]	±		432
	Traceability <Tracblt>	[0..*]	±		433

13.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

13.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

13.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

13.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

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 "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

13.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

13.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

13.4.2 EventNotification <EvtNtfctn>

Presence: [1..1]

Definition: Information related to the notification of an event.

EventNotification <EvtNtfctn> contains the following **SystemEventNotification5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		434
	Context <Cntxt>	[1..1]	±		440
	EventNotification <EvtNtfctn>	[1..1]			443
	RetailerEvent <RtlrEvt>	[1..1]			443
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		444
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		444
	EventContext <EvtCntxt>	[0..1]			445
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		450
	MaintenanceRequiredFlag <MntncReqrdfg>	[0..1]	Indicator		450
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	451
	DisplayOutput <DispOutpt>	[0..1]	±		451
	SupplementaryData <SplmtryData>	[0..*]	±	C5	452

13.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LtyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

13.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

13.4.2.3 EventNotification <EvtNtfctn>

Presence: [1..1]

Definition: Content of the EventNotification message.

EventNotification <EvtNtfctn> contains the following **EventNotificationData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetailerEvent <RtlrEvt>	[1..1]			443
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		444
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		444
	EventContext <EvtCntxt>	[0..1]			445
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		450
	MaintenanceRequiredFlag <MntncReqrdFlg>	[0..1]	Indicator		450
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	451
	DisplayOutput <DispOutpt>	[0..1]	±		451

13.4.2.3.1 RetailerEvent <RtlrEvt>

Presence: [1..1]

Definition: Content of the Retailer Event message.

RetailerEvent <RtlrEvt> contains the following **RetailerEvent4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		444
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		444
	EventContext <EvtCntxt>	[0..1]			445
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		450

13.4.2.3.1.1 EventTimeStamp <EvtTmStmp>*Presence:* [1..1]*Definition:* Date and time of the event.*Datatype:* "ISODatetime" on page 981**13.4.2.3.1.2 EventToNotify <EvtToNtfy>***Presence:* [1..1]*Definition:* Event the POI notifies to the Sale System.*Datatype:* "EventToNotify2Code" on page 942

CodeName	Name	Definition
ABRT	Abort	One or several device request has been sent by the POI during the processing of a service requested by the Sale System. The processing is cancelled by the Customer or stopped by the POI. If the device response is not received by the POI, an event is sent to inform the Sale to abort internally these device requests.
MAIB	BeginMaintenance	Begin of POI Maintenance.
CRDI	CardInserted	A card is inserted in the card reader (see Input request and NotifyCardInputFlag).
COMP	Completed	An Abort request has been sent to abort a message which is already completed.
CRDR	CardRemoved	A card is removed from the card reader.
CUSL	CustomerLanguage	The customer has selected a different language on the POI.
MAIE	EndMaintenance	End of POI Maintenance.
INIT	Initialised	The POI Terminal or the POI System is now ready to work.
KEYP	KeyPressed	The customer has pressed a specific key on the POI.
MAIR	MaintenanceRequired	Maintenance required by the POI.
OODR	OutOfOrder	The POI Terminal or the POI System cannot work.
SADM	SaleAdmin	The POI has performed, or want to perform an automatic administrative process, e.g. the reports at the end of day.
SWUP	SaleWakeUp	A POI terminal requests the payment of the transaction identified by the content of EventDetails in the Event notification.
SECA	SecurityAlarm	Problem of security.
SHUT	Shutdown	The POI Terminal or the POI System is shutting down.
SASS	StopAssistance	When the Customer assistance is stopped, because the Customer has completed its input.

CodeName	Name	Definition
DISC	Disconnected	A disconnection occurred.
CNTN	Connected	Connection has been set up.
TNOK	TransactionApproved	Transaction has been processed and approved by the POI.
TNKO	TransactionDeclined	Transaction has been processed but has been declined.

13.4.2.3.1.3 EventContext <EvtCntxt>

Presence: [0..1]

Definition: Context of the Event message.

EventContext <EvtCntxt> contains the following **EventContext4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450

13.4.2.3.1.3.1 ServiceType <SvcTp>

Presence: [1..1]

Definition: Reference to the service and functions related to the event.

Datatype: "RetailerService1Code" on page 964

CodeName	Name	Definition
DCAQ	DeviceSendApplicationProtocolDataUnitCardReaderRequest	A service to send commands to a card.
ADAQ	AdministrativeAdminRequest	An administrative request, to select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
ADAP	AdministrativeAdminResponse	The POI System responds to an administrative request.
RPAP	AdministrativeReportGetTotalsResponse	The POI System responds to a totals figures request.
RPAQ	AdministrativeReportGetTotalsRequest	The Sale System requests to the POI System a report on the totals figures of the POI system.
RPTQ	AdministrativeReportTransactionRequest	The Sale System requests to the POI System a report on a list of transactions.
RPTP	AdministrativeReportTransactionResponse	The POI System responds to a transaction report request.
SMDQ	AdministrativeSessionManagementDiagnosisRequest	The Sale System requests a session diagnosis to the POI System.

CodeName	Name	Definition
SMDP	AdministrativeSessionManagementDiagnosisResponse	The POI System responds to a diagnosis request.
SMIQ	AdministrativeSessionManagementLoginRequest	The Sale System requests a login to the POI System.
SMIP	AdministrativeSessionManagementLoginResponse	The POI System responds to a login request.
SMOQ	AdministrativeSessionManagementLogoutRequest	The Sale System requests a logout to the POI System.
SMOP	AdministrativeSessionManagementLogoutResponse	The POI System responds to a logout request.
DDYQ	DeviceDisplayRequest	One System requests the other to display a message for cashier or customer.
DDYP	DeviceDisplayResponse	One system responds to the other system for a display request.
DCIQ	DeviceInitialisationCardReaderRequest	Service to send parameters to use when card reader initializes a new communication with the card.
DCIP	DeviceInitialisationCardReaderResponse	The POI system responds to the Sale System for a card reader initialisation.
DINO	DeviceInputNotification	One system sends a notification to the POI System to update a input request.
DINQ	DeviceInputRequest	One system requests to the other System to get data input.
DINP	DeviceInputResponse	One system responds to the other System for a input request.
DSOQ	DevicePlaySoundRequest	One system requests to the Other System to play a sound.
DSOP	DevicePlaySoundResponse	One system responds to the other System for a play sound request.
DCPQ	DevicePowerOffCardReaderRequest	The Sale system requests to the POI System to power off the card reader.
DCPP	DevicePowerOffCardRequestResponse	The POI system responds to the Sale System for a card reader power off.
DPRQ	DevicePrintRequest	One system requests to the other System to print data.
DPRP	DevicePrintResponse	One system responds to the other System for a print request.
DSIQ	DeviceSecureInputRequest	One system requests to the Other System to securely get data input (e.g. for PIN).
DSIP	DeviceSecureInputResponse	One system responds to the other System for secure data input.
DCAP	DeviceSendApplicationProtocolDataUnitCardReaderResponse	The POI system responds to the Sale System for a card reader Application Protocol Data Unit sending.

CodeName	Name	Definition
DCOQ	DeviceTransmissionMessageRequest	The Sale system requests to the POI System to transmit a message (for instance to a mobile server).
DCOP	DeviceTransmissionMessageResponse	The POI system responds to the Sale System after a message transmission.
FSIQ	FinancialBalanceInquiryRequest	The Sale System requests to the POI System to perform balance inquiry on the main account.
FSIP	FinancialBalanceInquiryResponse	The POI System sends a response to a Balance Inquiry request.
FSBQ	FinancialBatchRequest	The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery).
FSBP	FinancialBatchResponse	The POI System sends a response to a batch processing request.
FSAQ	FinancialCardAcquisitionRequest	The Sale System requests to the POI System to handle a card data acquisition on the card reader.
FSAP	FinancialCardAcquisitionResponse	The POI System sends a response to a card data acquisition request.
FSEQ	FinancialEnableServiceRequest	The Sale System requests to the POI System to enable a service on its side.
FSEP	FinancialEnableServiceResponse	The POI System sends a response after enabling or not some service.
FSLQ	FinancialLoyaltyRequest	The Sale System requests to the POI System a loyalty service like loading or redeem.
FSLP	FinancialLoyaltyResponse	The POI System sends a response to a loyalty processing request.
FSPQ	FinancialPaymentRequest	The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...).
FSPR	FinancialPaymentResponse	The POI System sends a response to a payment request (Purchase/refund/PWCB/MOTO Payment/...).
FSCQ	FinancialReconciliationRequest	The Sale System request to the POI System different kinds of transaction reconciliation.
FSCP	FinancialReconciliationResponse	The POI System sends a response to a reconciliation request.
FSRQ	FinancialReversalRequest	The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service.
FSRP	FinancialReversalResponse	The POI System sends a response to a reversal request.
FSVQ	FinancialStoredValueRequest	The Sale System requests to the POI System to manage a stored value card

CodeName	Name	Definition
		or account (eg. Load, Payment, Reimbursement).
FSVP	FinancialStoredValueResponse	The POI System sends a response to a stored value card or account request.
SSAB	SystemAbort	Abort a former request or message by the sale system.
SSEN	SystemEventNotification	Send an Event notification to the other party.
SSRR	SystemMessageRejection	Send a rejection for a previous message.
SSSQ	SystemMessageStatusRequest	The Sale System requests to the POI System the status of a previous transaction.
SSSP	SystemMessageStatusResponse	The POI System responds to a message status request.

13.4.2.3.1.3.2 ComponentIdentification <CmpntId>

Presence: [0..1]

Definition: Identification of the Point Of Interaction.

ComponentIdentification <CmpntId> contains the following elements (see "PointOfInteractionComponent12" on page 803 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		805
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		806
	Identification <Id>	[1..1]			807
	ItemNumber <ItmNb>	[0..1]	Text		807
	ProviderIdentification <PrvdrId>	[0..1]	Text		807
	Identification <Id>	[0..1]	Text		807
	SerialNumber <SrlNb>	[0..1]	Text		807
	Status <Sts>	[0..1]			807
	VersionNumber <VrsnNb>	[0..1]	Text		808
	Status <Sts>	[0..1]	CodeSet		808
	ExpiryDate <XpryDt>	[0..1]	Date		808
	StandardCompliance <StdCmplc>	[0..*]			808
	Identification <Id>	[1..1]	Text		808
	Version <Vrsn>	[1..1]	Text		809
	Issuer <Issr>	[1..1]	Text		809
	Characteristics <Chrtcs>	[0..1]			809
	Memory <Mmry>	[0..*]			810
	Identification <Id>	[1..1]	Text		811
	TotalSize <TtlSz>	[1..1]	Quantity		811
	FreeSize <FreeSz>	[1..1]	Quantity		811
	Unit <Unit>	[1..1]	CodeSet		811
	Communication <Com>	[0..*]			811
	CommunicationType <ComTp>	[1..1]	CodeSet		812
	RemoteParty <RmotPty>	[1..*]	CodeSet		813
	Active <Actv>	[1..1]	Indicator		813
	Parameters <Params>	[0..1]	±		813
	PhysicalInterface <PhysIntrfc>	[0..1]			814
	InterfaceName <IntrfcNm>	[1..1]	Text		814
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		814
	UserName <UsrNm>	[0..1]	Text		815

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		815
	SecurityProfile <SctyPrfl>	[0..1]	Text		815
	AdditionalParameters <AddtlParams>	[0..1]	Binary		815
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		816
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		816
	SecurityElement <SctyElmt>	[0..*]	±		816
	Assessment <Assmnt>	[0..*]			816
	Type <Tp>	[1..1]	CodeSet		817
	Assigner <Assgnr>	[1..*]	Text		817
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		817
	ExpirationDate <XprtnDt>	[0..1]	DateTime		817
	Number <Nb>	[1..1]	Text		817
	Package <Packg>	[0..*]			818
	PackageIdentification <PackgId>	[0..1]	±		818
	PackageLength <PackgLngh>	[0..1]	Quantity		818
	OffsetStart <OffsetStart>	[0..1]	Quantity		818
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		819
	PackageBlock <PackgBlck>	[0..*]			819
	Identification <Id>	[1..1]	Text		819
	Value <Val>	[0..1]	Binary		819
	ProtectedValue <PrctcdVal>	[0..1]	±		819
	Type <Tp>	[0..1]	Text		820

13.4.2.3.1.3.3 SaleIdentification <SaleId>

Presence: [0..1]

Definition: Identification of the Sale System.

Datatype: "Max35Text" on page 987

13.4.2.3.1.4 AdditionalEventInformation <AddtlEvtInf>

Presence: [0..1]

Definition: Additional Information according to the event type.

Datatype: "Max1025Text" on page 985

13.4.2.3.2 MaintenanceRequiredFlag <MntncReqrdFlg>

Presence: [0..1]

Definition: Indicates if the occurred event requires maintenance call or action.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 983):

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

13.4.2.3.3 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language of the Customer

Impacted by: C6 "ValidationByTable"

Datatype: ["LanguageCode"](#) on page 948

Constraints

- **ValidationByTable**
Must be a valid terrestrial language.

13.4.2.3.4 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: To display an event message

DisplayOutput <DispOutpt> contains the following elements (see ["ActionMessage9"](#) on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstr>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

13.4.2.4 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

13.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

14 casp.013.001.02 SaleToPOIMessageRejectionV02

14.1 MessageDefinition Functionality

The SaleToPOIMessageRejection message is sent by one of the parties when it detects a technical or functional error in a previous received message.

Outline

The SaleToPOIMessageRejectionV02 MessageDefinition is composed of 2 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. Reject

Information related to the reject.

14.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<i>Message root</i> <Document> <SaleToPOIMsgRjctn>	[1..1]			
	Header <Hdr>	[1..1]			454
	MessageFunction <MsgFctn>	[1..1]	CodeSet		454
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		455
	ExchangeIdentification <XchgId>	[1..1]	Text		455
	CreationDateTime <CreDtTm>	[1..1]	DateTime		455
	InitiatingParty <InitgPty>	[1..1]	±		455
	RecipientParty <RcptPty>	[0..1]	±		456
	Traceability <Tracblt>	[0..*]	±		457
	Reject <Rjct>	[1..1]			457
	RejectReason <RjctRsn>	[1..1]	CodeSet		458
	AdditionalInformation <AddtlInf>	[0..1]	Text		458
	MessageInError <MsgInErr>	[0..1]	Binary		458

14.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

14.3.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		454
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		455
	ExchangeIdentification <XchgId>	[1..1]	Text		455
	CreationDateTime <CreDtTm>	[1..1]	DateTime		455
	InitiatingParty <InitgPty>	[1..1]	±		455
	RecipientParty <RcptPty>	[0..1]	±		456
	Traceability <Tracblt>	[0..*]	±		457

14.3.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.

CodeName	Name	Definition
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

14.3.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

14.3.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

14.3.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

14.3.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

14.3.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

14.3.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

14.3.2 Reject <Rjct>

Presence: [1..1]

Definition: Information related to the reject.

Reject <Rjct> contains the following **AccepterRejection2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RejectReason <RjctRsn>	[1..1]	CodeSet		458
	AdditionalInformation <AddtlInf>	[0..1]	Text		458
	MessageInError <MsgInErr>	[0..1]	Binary		458

14.3.2.1 RejectReason <RjctRsn>

Presence: [1..1]

Definition: Reject reason of the request or the advice.

Datatype: "RejectReason1Code" on page 960

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).
INTP	InitiatingParty	Invalid identification data for the sender.
RCPP	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.

14.3.2.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information related to the reject of the exchange.

Datatype: "Max500Text" on page 988

14.3.2.3 MessageInError <MsgInErr>

Presence: [0..1]

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

Datatype: "Max100KBinary" on page 915

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SaleToPOIMessageStatusRequestV04

15.1 MessageDefinition Functionality

The SaleToPOIMessageStatusRequest message is sent by a sale system when the sale system wants to know the status of previous message that has not be answered.

Outline

The SaleToPOIMessageStatusRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. StatusRequest

Information related to a status request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

15.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIMsgStsReq>	[1..1]			
	Header <Hdr>	[1..1]			461
	MessageFunction <MsgFctn>	[1..1]	CodeSet		461
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		462
	ExchangeIdentification <XchgId>	[1..1]	Text		462
	CreationDateTime <CreDtTm>	[1..1]	DateTime		463
	InitiatingParty <InitgPty>	[1..1]	±		463
	RecipientParty <RcptPty>	[0..1]	±		463
	Traceability <Tracblt>	[0..*]	±		464
	StatusRequest <StsReq>	[1..1]			464
	Environment <Envt>	[1..1]	±		465
	Context <Cntxt>	[1..1]	±		471
	MessageStatusRequestData <MsgStsReqData>	[1..1]			474
	ExchangeIdentification <XchgId>	[1..1]	Text		474
	InitiatingParty <InitgPty>	[1..1]	±		474
	ReceiptReprintFlag <RctRprntFlg>	[0..1]	Indicator		475
	DocumentQualifier <DocQlfr>	[0..2]	CodeSet		475
	SupplementaryData <SplmtryData>	[0..*]	±	C5	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 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.

15.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

15.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		461
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		462
	ExchangeIdentification <XchgId>	[1..1]	Text		462
	CreationDateTime <CreDtTm>	[1..1]	DateTime		463
	InitiatingParty <InitgPty>	[1..1]	±		463
	RecipientParty <RcptPty>	[0..1]	±		463
	Traceability <Tracblt>	[0..*]	±		464

15.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or

CodeName	Name	Definition
		software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

15.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

15.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

15.4.1.4 CreationDateTime <CreDtTm>*Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODateTime" on page 981**15.4.1.5 InitiatingParty <InitgPty>***Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

15.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

15.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

15.4.2 StatusRequest <StsReq>

Presence: [1..1]

Definition: Information related to a status request.

StatusRequest <StsReq> contains the following **MessageStatusRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		465
	Context <Cntxt>	[1..1]	±		471
	MessageStatusRequestData <MsgStsReqData>	[1..1]			474
	ExchangeIdentification <XchgId>	[1..1]	Text		474
	InitiatingParty <InitgPty>	[1..1]	±		474
	ReceiptReprintFlag <RctRprntFlg>	[0..1]	Indicator		475
	DocumentQualifier <DocQlfr>	[0..2]	CodeSet		475
	SupplementaryData <SplmtryData>	[0..*]	±	C5	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 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LtyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

15.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

15.4.2.3 MessageStatusRequestData <MsgStsReqData>

Presence: [1..1]

Definition: Identification of the previous exchange.

MessageStatusRequestData <MsgStsReqData> contains the following **MessageStatusRequestData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		474
	InitiatingParty <InitgPty>	[1..1]	±		474
	ReceiptReprintFlag <RctRprntFlg>	[0..1]	Indicator		475
	DocumentQualifier <DocQlfr>	[0..2]	CodeSet		475

15.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Transaction identification.

Datatype: "Max35Text" on page 987

15.4.2.3.2 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Initiating Party information.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

15.4.2.3.3 ReceiptReprintFlag <RctRprntFlg>

Presence: [0..1]

Definition: Request to reprint the POI receipt(s).

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 983):

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

15.4.2.3.4 DocumentQualifier <DocQlfr>

Presence: [0..2]

Definition: Customer or Cashier Receipt.

Datatype: "[DocumentType7Code](#)" on page 941

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.

CodeName	Name	Definition
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.

15.4.2.4 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

15.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

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SaleToPOIMessageStatusResponseV04

16.1 MessageDefinition Functionality

The SaleToPOIMessageStatusResponse message is sent by a POI System to respond to the sale system at a previous message status request.

Outline

The SaleToPOIMessageStatusResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. StatusResponse

Information related to the response of a status request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

16.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIMsgStsRspn>	[1..1]			
	Header <Hdr>	[1..1]			482
	MessageFunction <MsgFctn>	[1..1]	CodeSet		482
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		483
	ExchangeIdentification <XchgId>	[1..1]	Text		483
	CreationDateTime <CreDtTm>	[1..1]	DateTime		484
	InitiatingParty <InitgPty>	[1..1]	±		484
	RecipientParty <RcptPty>	[0..1]	±		484
	Traceability <Tracblt>	[0..*]	±		485
	StatusResponse <StsRspn>	[1..1]			485
	Environment <Envt>	[1..1]	±		489
	Context <Cntxt>	[1..1]	±		495
	MessageStatusResponseData <MsgStsRspnData>	[1..1]			498
	ExchangeIdentification <XchgId>	[1..1]	Text		502
	InitiatingParty <InitgPty>	[1..1]	±		502
	TransactionResponse <TxRspn>	[1..1]	±		502
	RepeatedLoyaltyResponse <RepeatdLltyRspn>	[0..1]			503
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		504
	POITransactionIdentification <POITxId>	[1..1]	±		504
	POIRecconciliationIdentification <POIRcncltnId>	[0..1]	Text		504
	Result <Rslt>	[0..*]			504
	Account <Acct>	[1..1]	±		505
	Amount <Amt>	[0..1]			506
	Unit <Unit>	[0..1]	CodeSet		506
	Currency <Ccy>	[0..1]	CodeSet	C1	506
	Amount <Amt>	[1..1]	Amount		506
	ServerData <SvrData>	[0..1]			506
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		507
	ApprovalCode <ApprvlCd>	[0..1]	Text		507
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		507

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		507
	Rebates <Rbts>	[0..1]			507
	TotalRebate <TtlRbt>	[0..1]	Amount		508
	RebateLabel <RbtLbl>	[0..1]	Text		508
	SaleItemRebate <SaleitmRbt>	[0..*]			508
	SaleItem <Saleitm>	[1..1]	±		508
	RebateLabel <RbtLbl>	[0..1]	Text		509
	RepeatedPaymentResponse <RepeatdPmtRspn>	[0..1]			509
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		510
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		511
	POITransactionIdentification <POITxId>	[1..1]	±		511
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		511
	IssuerReferenceData <IssrRefData>	[0..1]	Text		511
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		511
	PaymentReceipt <PmtRct>	[0..*]	±		514
	LoyaltyResult <LtyRslt>	[0..*]			514
	Account <Acct>	[1..1]	±		515
	Amount <Amt>	[0..1]			516
	Unit <Unit>	[0..1]	CodeSet		516
	Currency <Ccy>	[0..1]	CodeSet	C1	516
	Amount <Amt>	[1..1]	Amount		516
	ServerData <SvrData>	[0..1]			516
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		517
	ApprovalCode <ApprvlCd>	[0..1]	Text		517
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		517
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		517
	Rebates <Rbts>	[0..1]			517
	TotalRebate <TtlRbt>	[0..1]	Amount		518
	RebateLabel <RbtLbl>	[0..1]	Text		518
	SaleItemRebate <SaleitmRbt>	[0..*]			518
	SaleItem <Saleitm>	[1..1]	±		518

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RebateLabel <RbtLbl>	[0..1]	Text		519
	CustomerOrder <CstmrOrd>	[0..*]	±		519
	RepeatedReversalResponse <RepeatdRvslRspn>	[0..1]			520
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		520
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		521
	POITransactionIdentification <POITxId>	[1..1]	±		521
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		521
	IssuerReferenceData <IssrRefData>	[0..1]	Text		521
	ReversalTransactionResult <RvslTxRslt>	[1..1]			521
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		522
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		522
	CustomerOrder <CstmrOrd>	[0..*]	±		526
	ReversedAmount <RvslAmt>	[0..1]	Amount		527
	Receipt <Rct>	[0..*]	±		527
	RepeatedStoredValueResponse <RepeatdStordValRspn>	[0..1]			527
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		528
	POITransactionIdentification <POITxId>	[1..1]	±		529
	Result <Rslt>	[0..*]			529
	Provider <Prvdr>	[0..1]	Text		530
	TransactionType <TxTp>	[1..1]	CodeSet		530
	AccountIdentification <AcctId>	[0..1]			531
	AccountType <AcctTp>	[0..1]	CodeSet		531
	IdentificationType <IdTp>	[0..1]	CodeSet		532
	Identification <Id>	[0..1]	Text		532
	Brand <Brnd>	[0..1]	Text		533
	Provider <Prvdr>	[0..1]	Text		533
	OwnerName <OwnrNm>	[0..1]	Text		533
	ExpiryDate <XpryDt>	[0..1]	Text		533
	EntryMode <NtryMd>	[0..1]	CodeSet		533
	Currency <Ccy>	[0..1]	CodeSet	C1	534
	Balance <Bal>	[0..1]	Amount		534

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		534
	ProductCode <PdctCd>	[0..1]	Text		538
	EANUPC <EANUPC>	[0..1]	Text		539
	ItemAmount <ItmAmt>	[0..1]	Amount		539
	Currency <Ccy>	[0..1]	CodeSet	C1	539
	HostTransactionIdentification <HstTxId>	[0..1]	±		539
	Receipt <Rct>	[0..*]	±		539
	RepeatedCardAcquisitionResponse <RepeatdCardAcqstnRspn>	[0..1]			540
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		540
	POITransactionIdentification <POITxId>	[1..1]	±		540
	PaymentBrand <PmtBrnd>	[0..*]	Text		541
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	541
	LoyaltyAccount <LltyAcct>	[0..*]	±		541
	CustomerOrder <CstmrOrdr>	[0..*]	±		542
	RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RepeatdSndApplPrtcolDataUnitCardRdrRspn>	[0..1]			542
	Data <Data>	[0..1]	Binary		542
	CardStatus <CardSts>	[1..1]	Binary		542
	Response <Rspn>	[1..1]	±		543
	SupplementaryData <SplmtryData>	[0..*]	±	C5	543
	SecurityTrailer <SctyTrlr>	[0..1]	±		543

16.3 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.

16.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

16.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		482
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		483
	ExchangeIdentification <XchgId>	[1..1]	Text		483
	CreationDateTime <CreDtTm>	[1..1]	DateTime		484
	InitiatingParty <InitgPty>	[1..1]	±		484
	RecipientParty <RcptPty>	[0..1]	±		484
	Traceability <Tracblt>	[0..*]	±		485

16.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

16.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

16.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

16.4.1.4 CreationDate <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

16.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

16.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

16.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

16.4.2 StatusResponse <StsRspn>

Presence: [1..1]

Definition: Information related to the response of a status request.

StatusResponse <StsRspn> contains the following **MessageStatusResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envnt>	[1..1]	±		489
	Context <Cntxt>	[1..1]	±		495
	MessageStatusResponseData <MsgStsRspnData>	[1..1]			498
	ExchangeIdentification <Xchgld>	[1..1]	Text		502
	InitiatingParty <InitgPty>	[1..1]	±		502
	TransactionResponse <TxRspn>	[1..1]	±		502
	RepeatedLoyaltyResponse <RepeatdLltyRspn>	[0..1]			503
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		504
	POITransactionIdentification <POITxld>	[1..1]	±		504
	POIReconciliationIdentification <POIRcncld>	[0..1]	Text		504
	Result <Rslt>	[0..*]			504
	Account <Acct>	[1..1]	±		505
	Amount <Amt>	[0..1]			506
	Unit <Unit>	[0..1]	CodeSet		506
	Currency <Ccy>	[0..1]	CodeSet	C1	506
	Amount <Amt>	[1..1]	Amount		506
	ServerData <SvrData>	[0..1]			506
	LoyaltyServerIdentification <LltySvrld>	[0..1]	Text		507
	ApprovalCode <ApprvICd>	[0..1]	Text		507
	LoyaltyTransactionIdentification <LltyTxld>	[0..1]	±		507
	HostReconciliationIdentification <HstRcncld>	[0..1]	Text		507
	Rebates <Rbts>	[0..1]			507
	TotalRebate <TtlRbt>	[0..1]	Amount		508
	RebateLabel <RbtLabl>	[0..1]	Text		508
	SaleItemRebate <SaleitmRbt>	[0..*]			508
	SaleItem <Saleitm>	[1..1]	±		508
	RebateLabel <RbtLabl>	[0..1]	Text		509
	RepeatedPaymentResponse <RepeatdPmtRspn>	[0..1]			509
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		510
	SaleReferenceIdentification <SaleRefld>	[0..1]	Text		511
	POITransactionIdentification <POITxld>	[1..1]	±		511

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		511
	IssuerReferenceData <IssrRefData>	[0..1]	Text		511
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		511
	PaymentReceipt <PmtRct>	[0..*]	±		514
	LoyaltyResult <LltyRslt>	[0..*]			514
	Account <Acct>	[1..1]	±		515
	Amount <Amt>	[0..1]			516
	Unit <Unit>	[0..1]	CodeSet		516
	Currency <Ccy>	[0..1]	CodeSet	C1	516
	Amount <Amt>	[1..1]	Amount		516
	ServerData <SvrData>	[0..1]			516
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		517
	ApprovalCode <ApprvlCd>	[0..1]	Text		517
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		517
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		517
	Rebates <Rbts>	[0..1]			517
	TotalRebate <TtlRbt>	[0..1]	Amount		518
	RebateLabel <RbtLbl>	[0..1]	Text		518
	SaleItemRebate <SaleitmRbt>	[0..*]			518
	SaleItem <Saleitm>	[1..1]	±		518
	RebateLabel <RbtLbl>	[0..1]	Text		519
	CustomerOrder <CstmrOrd>	[0..*]	±		519
	RepeatedReversalResponse <RepeatdRvsIRspn>	[0..1]			520
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		520
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		521
	POITransactionIdentification <POITxId>	[1..1]	±		521
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		521
	IssuerReferenceData <IssrRefData>	[0..1]	Text		521
	ReversalTransactionResult <RvsITxRslt>	[1..1]			521
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		522
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		522

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..*]	±		526
	ReversedAmount <RvsdAmt>	[0..1]	Amount		527
	Receipt <Rct>	[0..*]	±		527
	RepeatedStoredValueResponse <RpeatdStordValRspn>	[0..1]			527
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		528
	POITransactionIdentification <POITxId>	[1..1]	±		529
	Result <Rslt>	[0..*]			529
	Provider <Prvdr>	[0..1]	Text		530
	TransactionType <TxTp>	[1..1]	CodeSet		530
	AccountIdentification <AcctId>	[0..1]			531
	AccountType <AcctTp>	[0..1]	CodeSet		531
	IdentificationType <IdTp>	[0..1]	CodeSet		532
	Identification <Id>	[0..1]	Text		532
	Brand <Brnd>	[0..1]	Text		533
	Provider <Prvdr>	[0..1]	Text		533
	OwnerName <OwnrNm>	[0..1]	Text		533
	ExpiryDate <XpryDt>	[0..1]	Text		533
	EntryMode <NtryMd>	[0..1]	CodeSet		533
	Currency <Ccy>	[0..1]	CodeSet	C1	534
	Balance <Bal>	[0..1]	Amount		534
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		534
	ProductCode <PdctCd>	[0..1]	Text		538
	EANUPC <EANUPC>	[0..1]	Text		539
	ItemAmount <ItmAmt>	[0..1]	Amount		539
	Currency <Ccy>	[0..1]	CodeSet	C1	539
	HostTransactionIdentification <HstTxId>	[0..1]	±		539
	Receipt <Rct>	[0..*]	±		539
	RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn>	[0..1]			540
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		540
	POITransactionIdentification <POITxId>	[1..1]	±		540
	PaymentBrand <PmtBrnd>	[0..*]	Text		541

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	541
	LoyaltyAccount <LltyAcct>	[0..*]	±		541
	CustomerOrder <CstmrOrd>	[0..*]	±		542
	RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RepeatdSndApplPrtcolDataUnitCardRdrRspn>	[0..1]			542
	Data <Data>	[0..1]	Binary		542
	CardStatus <CardSts>	[1..1]	Binary		542
	Response <Rspn>	[1..1]	±		543
	SupplementaryData <SplmtryData>	[0..*]	±	C5	543

16.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LtyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BllgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

16.4.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

16.4.2.3 MessageStatusResponseData <MsgStsRspnData>

Presence: [1..1]

Definition: Content of the Message status Response.

MessageStatusResponseData <MsgStsRspnData> contains the following
MessageStatusResponseData6 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		502
	InitiatingParty <InitgPty>	[1..1]	±		502
	TransactionResponse <TxRspn>	[1..1]	±		502
	RepeatedLoyaltyResponse <RepeatdLltyRspn>	[0..1]			503
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		504
	POITransactionIdentification <POITxId>	[1..1]	±		504
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		504
	Result <Rslt>	[0..*]			504
	Account <Acct>	[1..1]	±		505
	Amount <Amt>	[0..1]			506
	Unit <Unit>	[0..1]	CodeSet		506
	Currency <Ccy>	[0..1]	CodeSet	C1	506
	Amount <Amt>	[1..1]	Amount		506
	ServerData <SvrData>	[0..1]			506
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		507
	ApprovalCode <ApprvICd>	[0..1]	Text		507
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		507
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		507
	Rebates <Rbts>	[0..1]			507
	TotalRebate <TtlRbt>	[0..1]	Amount		508
	RebateLabel <RbtLbl>	[0..1]	Text		508
	SaleItemRebate <SaleItmRbt>	[0..*]			508
	SaleItem <SaleItm>	[1..1]	±		508
	RebateLabel <RbtLbl>	[0..1]	Text		509
	RepeatedPaymentResponse <RepeatdPmtRspn>	[0..1]			509
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		510
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		511
	POITransactionIdentification <POITxId>	[1..1]	±		511
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		511
	IssuerReferenceData <IssrRefData>	[0..1]	Text		511

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		511
	PaymentReceipt <PmtRct>	[0..*]	±		514
	LoyaltyResult <LtyRslt>	[0..*]			514
	Account <Acct>	[1..1]	±		515
	Amount <Amt>	[0..1]			516
	Unit <Unit>	[0..1]	CodeSet		516
	Currency <Ccy>	[0..1]	CodeSet	C1	516
	Amount <Amt>	[1..1]	Amount		516
	ServerData <SvrData>	[0..1]			516
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		517
	ApprovalCode <ApprvlCd>	[0..1]	Text		517
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		517
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		517
	Rebates <Rbts>	[0..1]			517
	TotalRebate <TtlRbt>	[0..1]	Amount		518
	RebateLabel <RbtLbl>	[0..1]	Text		518
	SaleItemRebate <SaleItmRbt>	[0..*]			518
	SaleItem <SaleItm>	[1..1]	±		518
	RebateLabel <RbtLbl>	[0..1]	Text		519
	CustomerOrder <CstmrOrdr>	[0..*]	±		519
	RepeatedReversalResponse <RepeatdRvslRspn>	[0..1]			520
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		520
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		521
	POITransactionIdentification <POITxId>	[1..1]	±		521
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		521
	IssuerReferenceData <IssrRefData>	[0..1]	Text		521
	ReversalTransactionResult <RvslTxRslt>	[1..1]			521
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		522
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		522
	CustomerOrder <CstmrOrdr>	[0..*]	±		526
	ReversedAmount <RvsdAmt>	[0..1]	Amount		527

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Receipt <Rct>	[0..*]	±		527
	RepeatedStoredValueResponse <RpeatdStordValRspn>	[0..1]			527
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		528
	POITransactionIdentification <POITxId>	[1..1]	±		529
	Result <Rslt>	[0..*]			529
	Provider <Prvdr>	[0..1]	Text		530
	TransactionType <TxTp>	[1..1]	CodeSet		530
	AccountIdentification <AcctId>	[0..1]			531
	AccountType <AcctTp>	[0..1]	CodeSet		531
	IdentificationType <IdTp>	[0..1]	CodeSet		532
	Identification <Id>	[0..1]	Text		532
	Brand <Brnd>	[0..1]	Text		533
	Provider <Prvdr>	[0..1]	Text		533
	OwnerName <OwnrNm>	[0..1]	Text		533
	ExpiryDate <XpryDt>	[0..1]	Text		533
	EntryMode <NtryMd>	[0..1]	CodeSet		533
	Currency <Ccy>	[0..1]	CodeSet	C1	534
	Balance <Bal>	[0..1]	Amount		534
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		534
	ProductCode <PdctCd>	[0..1]	Text		538
	EANUPC <EANUPC>	[0..1]	Text		539
	ItemAmount <ItmAmt>	[0..1]	Amount		539
	Currency <Ccy>	[0..1]	CodeSet	C1	539
	HostTransactionIdentification <HstTxId>	[0..1]	±		539
	Receipt <Rct>	[0..*]	±		539
	RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn>	[0..1]			540
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		540
	POITransactionIdentification <POITxId>	[1..1]	±		540
	PaymentBrand <PmtBrnd>	[0..*]	Text		541
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	541
	LoyaltyAccount <LtyAcct>	[0..*]	±		541

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..*]	±		542
	RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RepeatdSndAppPrtcolDataUnitCardRdrRspn>	[0..1]			542
	Data <Data>	[0..1]	Binary		542
	CardStatus <CardSts>	[1..1]	Binary		542

16.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Identification of the requested previous message.

Datatype: "Max35Text" on page 987

16.4.2.3.2 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Party that has initiated the previous message.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

16.4.2.3.3 TransactionResponse <TxRspn>

Presence: [1..1]

Definition: Specific response of the Repeated Message sent back by the POI System.

TransactionResponse <TxRspn> contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

16.4.2.3.4 RepeatedLoyaltyResponse <RpeatdLltyRspn>

Presence: [0..1]

Definition: Content of the requested Loyalty Message Response.

RepeatedLoyaltyResponse <RpeatdLltyRspn> contains the following **LoyaltyResponse3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		504
	POITransactionIdentification <POITxId>	[1..1]	±		504
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		504
	Result <Rslt>	[0..*]			504
	Account <Acct>	[1..1]	±		505
	Amount <Amt>	[0..1]			506
	Unit <Unit>	[0..1]	CodeSet		506
	Currency <Ccy>	[0..1]	CodeSet	C1	506
	Amount <Amt>	[1..1]	Amount		506
	ServerData <SvrData>	[0..1]			506
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		507
	ApprovalCode <ApprvlCd>	[0..1]	Text		507
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		507
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		507
	Rebates <Rbts>	[0..1]			507
	TotalRebate <TtlRbt>	[0..1]	Amount		508
	RebateLabel <RbtLabl>	[0..1]	Text		508
	SaleItemRebate <SaleItmRbt>	[0..*]			508
	SaleItem <SaleItm>	[1..1]	±		508
	RebateLabel <RbtLabl>	[0..1]	Text		509

16.4.2.3.4.1 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.4.2 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.4.3 POIRecconciliationIdentification <POIRcncltnId>*Presence:* [0..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer.*Datatype:* ["Max35Text"](#) on page 987**16.4.2.3.4.4 Result <Rslt>***Presence:* [0..*]*Definition:* Data related to the result of a processed loyalty transaction.

Result <Rslt> contains the following **LoyaltyResult3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Account <Acct>	[1..1]	±		505
	Amount <Amt>	[0..1]			506
	Unit <Unit>	[0..1]	CodeSet		506
	Currency <Ccy>	[0..1]	CodeSet	C1	506
	Amount <Amt>	[1..1]	Amount		506
	ServerData <SvrData>	[0..1]			506
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		507
	ApprovalCode <ApprvICd>	[0..1]	Text		507
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		507
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		507
	Rebates <Rbts>	[0..1]			507
	TotalRebate <TtlRbt>	[0..1]	Amount		508
	RebateLabel <RbtLbl>	[0..1]	Text		508
	SaleItemRebate <SaleItmRbt>	[0..*]			508
	SaleItem <SaleItm>	[1..1]	±		508
	RebateLabel <RbtLbl>	[0..1]	Text		509

16.4.2.3.4.4.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

16.4.2.3.4.4.2 Amount <Amt>*Presence:* [0..1]*Definition:* Amount.**Amount <Amt>** contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		506
	Currency <Ccy>	[0..1]	CodeSet	C1	506
	Amount <Amt>	[1..1]	Amount		506

16.4.2.3.4.4.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

16.4.2.3.4.4.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

16.4.2.3.4.4.2.3 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**16.4.2.3.4.4.3 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
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		507
	ApprovalCode <ApprvICd>	[0..1]	Text		507
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		507
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		507

16.4.2.3.4.4.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 987

16.4.2.3.4.4.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: "Min6Max8Text" on page 990

16.4.2.3.4.4.3.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.4.4.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: "Max35Text" on page 987

16.4.2.3.4.4.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalRebate <TtlRbt>	[0..1]	Amount		508
	RebateLabel <RbtLbl>	[0..1]	Text		508
	SaleItemRebate <SaleitmRbt>	[0..*]			508
	SaleItem <Saleitm>	[1..1]	±		508
	RebateLabel <RbtLbl>	[0..1]	Text		509

16.4.2.3.4.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: "ImpliedCurrencyAndAmount" on page 914

16.4.2.3.4.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

16.4.2.3.4.4.3 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
	SaleItem <Saleitm>	[1..1]	±		508
	RebateLabel <RbtLbl>	[0..1]	Text		509

16.4.2.3.4.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 831 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

16.4.2.3.4.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

16.4.2.3.5 RepeatedPaymentResponse <RepeatdPmtRspn>

Presence: [0..1]

Definition: Content of the requested Payment Message Response.

RepeatedPaymentResponse <RpeatdPmtRspn> contains the following **PaymentResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		510
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		511
	POITransactionIdentification <POITxId>	[1..1]	±		511
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		511
	IssuerReferenceData <IssrRefData>	[0..1]	Text		511
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		511
	PaymentReceipt <PmtRct>	[0..*]	±		514
	LoyaltyResult <LltyRslt>	[0..*]			514
	Account <Acct>	[1..1]	±		515
	Amount <Amt>	[0..1]			516
	Unit <Unit>	[0..1]	CodeSet		516
	Currency <Ccy>	[0..1]	CodeSet	C1	516
	Amount <Amt>	[1..1]	Amount		516
	ServerData <SvrData>	[0..1]			516
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		517
	ApprovalCode <ApprvlCd>	[0..1]	Text		517
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		517
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		517
	Rebates <Rbts>	[0..1]			517
	TotalRebate <TtlRbt>	[0..1]	Amount		518
	RebateLabel <RbtLabl>	[0..1]	Text		518
	SaleItemRebate <SaleItmRbt>	[0..*]			518
	SaleItem <SaleItm>	[1..1]	±		518
	RebateLabel <RbtLabl>	[0..1]	Text		519
	CustomerOrder <CstmrOrd>	[0..*]	±		519

16.4.2.3.5.1 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.5.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 987

16.4.2.3.5.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.5.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: "Max35Text" on page 987

16.4.2.3.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: "Max140Text" on page 985

16.4.2.3.5.6 RetailerPaymentResult <RtlrPmtRsIt>

Presence: [1..1]

Definition: Data related to the result of a processed payment transaction.

RetailerPaymentResult <RtlrPmtRslt> contains the following elements (see "RetailerPaymentResult4" on page 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		684
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		685
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		685
	RequestedTransaction <ReqdTxx>	[0..1]	±		686
	TransactionResponse <TxRspn>	[0..1]			690
	AuthorisationResult <AuthstnRslt>	[1..1]			693
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		693
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			693
	Response <Rspn>	[1..1]	CodeSet		694
	ResponseReason <RspnRsn>	[0..1]	Text		694
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		694
	AuthorisationCode <AuthstnCd>	[0..1]	Text		694
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		694
	TMSTrigger <TMSTrggr>	[0..1]			695
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		695
	TMSIdentification <TMSId>	[0..1]	Text		695
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		695
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			695
	Method <Mtd>	[1..1]	CodeSet		696
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		697
	Result <Rslt>	[0..1]	CodeSet		697
	AdditionalResult <AddtlRslt>	[0..1]	Text		697
	AllowedProductCode <AllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		699

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		699
	AmountLimit <AmtLmt>	[0..1]	Amount		699
	QuantityLimit <QtyLmt>	[0..1]	Quantity		699
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		699
	Balance <Bal>	[0..1]	±		701
	ProtectedBalance <PrtctdBal>	[0..1]	±		701
	Action <Actn>	[0..*]			702
	ActionType <ActnTp>	[1..1]	CodeSet		702
	MessageToPresent <MsgToPres>	[0..1]	±		703
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			703
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		704
	TargetCurrency <TrgtCcy>	[1..1]			705
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	705
	NumericCode <NmrcCd>	[1..1]	Text		705
	Decimal <Dcml>	[1..1]	Quantity		705
	Name <Nm>	[0..1]	Text		705
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		706
	ExchangeRate <XchgRate>	[1..1]	Rate		706
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		706
	QuotationDate <QtnDt>	[0..1]	DateTime		706
	ValidUntil <VldUntil>	[0..1]	DateTime		706
	SourceCurrency <SrcCcy>	[1..1]			706
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	706
	NumericCode <NmrcCd>	[0..1]	Text		707
	Decimal <Dcml>	[0..1]	Quantity		707
	Name <Nm>	[0..1]	Text		707
	OriginalAmount <OrgnlAmt>	[1..1]			707
	ActualAmount <ActlAmt>	[0..1]	Amount		707
	MinimumAmount <MinAmt>	[0..1]	Amount		707
	MaximumAmount <MaxAmt>	[0..1]	Amount		708
	CommissionDetails <ComssnDtls>	[0..*]			708

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		708
	MarkUpDetails <MrkUpDtls>	[0..*]			708
	Rate <Rate>	[1..1]	Rate		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		709
	DeclarationDetails <DclrtDtls>	[0..*]	±		709
	CustomerOrder <CstmrOrd>	[0..*]	±		709
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			710
	ImageFormat <ImgFrmt>	[1..1]	Text		710
	ImageData <ImgData>	[0..1]	Binary		710
	ImageReference <ImgRef>	[0..1]	Text		711
	AdditionalInformation <AddtlInf>	[0..1]	Text		711
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		711
	MerchantOverrideFlag <MrchntOvrrdFlg>	[0..1]	Indicator		711
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	711
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		711

16.4.2.3.5.7 PaymentReceipt <PmtRct>*Presence:* [0..*]*Definition:* Customer or Merchant payment receipt.**PaymentReceipt <PmtRct>** contains the following elements (see "[PaymentReceipt4](#)" on page 716 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		717
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		717
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		717
	OutputContent <OutptCntt>	[1..1]	±		718

16.4.2.3.5.8 LoyaltyResult <LltyRslt>*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
	Account <Acct>	[1..1]	±		515
	Amount <Amt>	[0..1]			516
	Unit <Unit>	[0..1]	CodeSet		516
	Currency <Ccy>	[0..1]	CodeSet	C1	516
	Amount <Amt>	[1..1]	Amount		516
	ServerData <SvrData>	[0..1]			516
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		517
	ApprovalCode <ApprvlCd>	[0..1]	Text		517
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		517
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		517
	Rebates <Rbts>	[0..1]			517
	TotalRebate <TtlRbt>	[0..1]	Amount		518
	RebateLabel <RbtLbl>	[0..1]	Text		518
	SaleItemRebate <SaleItmRbt>	[0..*]			518
	SaleItem <SaleItm>	[1..1]	±		518
	RebateLabel <RbtLbl>	[0..1]	Text		519

16.4.2.3.5.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

16.4.2.3.5.8.2 Amount <Amt>*Presence:* [0..1]*Definition:* Amount.**Amount <Amt>** contains the following **LoyaltyAmount1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		516
	Currency <Ccy>	[0..1]	CodeSet	C1	516
	Amount <Amt>	[1..1]	Amount		516

16.4.2.3.5.8.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

16.4.2.3.5.8.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

16.4.2.3.5.8.2.3 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**16.4.2.3.5.8.3 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
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		517
	ApprovalCode <ApprvICd>	[0..1]	Text		517
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		517
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		517

16.4.2.3.5.8.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 987

16.4.2.3.5.8.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: "Min6Max8Text" on page 990

16.4.2.3.5.8.3.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.5.8.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: "Max35Text" on page 987

16.4.2.3.5.8.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalRebate <TtlRbt>	[0..1]	Amount		518
	RebateLabel <RbtLbl>	[0..1]	Text		518
	SaleItemRebate <SaleitmRbt>	[0..*]			518
	SaleItem <Saleitm>	[1..1]	±		518
	RebateLabel <RbtLbl>	[0..1]	Text		519

16.4.2.3.5.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: "ImpliedCurrencyAndAmount" on page 914

16.4.2.3.5.8.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

16.4.2.3.5.8.4.3 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
	SaleItem <Saleitm>	[1..1]	±		518
	RebateLabel <RbtLbl>	[0..1]	Text		519

16.4.2.3.5.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 831 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

16.4.2.3.5.8.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 987

16.4.2.3.5.9 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 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

16.4.2.3.6 RepeatedReversalResponse <RpeatdRvslRspn>

Presence: [0..1]

Definition: Content of the requested Reversal Message Response.

RepeatedReversalResponse <RpeatdRvslRspn> contains the following **ReversalResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		520
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		521
	POITransactionIdentification <POITxId>	[1..1]	±		521
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		521
	IssuerReferenceData <IssrRefData>	[0..1]	Text		521
	ReversalTransactionResult <RvslTxRslt>	[1..1]			521
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		522
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		522
	CustomerOrder <CstmrOrd>	[0..*]	±		526
	ReversedAmount <RvsdAmt>	[0..1]	Amount		527
	Receipt <Rct>	[0..*]	±		527

16.4.2.3.6.1 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.6.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 987

16.4.2.3.6.3 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.6.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: "Max35Text" on page 987

16.4.2.3.6.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: "Max140Text" on page 985

16.4.2.3.6.6 ReversalTransactionResult <RvsITxRsIt>

Presence: [1..1]

Definition: Result of reversal transaction.

ReversalTransactionResult <RvsITxRsIt> contains the following **RetailerReversalResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		522
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		522
	CustomerOrder <CstmrOrd>	[0..*]	±		526

16.4.2.3.6.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

Datatype: "Max35Text" on page 987

16.4.2.3.6.6.2 OriginalPaymentTransaction <OrgnlPmtTx>

Presence: [0..1]

Definition: Original Transaction if any linked to this reversal.

OriginalPaymentTransaction <OrgnPmtTx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnITx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <Dclrtndtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

16.4.2.3.6.3 CustomerOrder <CstmrOrd>*Presence:* [0..*]*Definition:* Updated Customer order list after reversal.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

16.4.2.3.6.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 914

16.4.2.3.6.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

Receipt <Rct> contains the following elements (see "[PaymentReceipt4](#)" on page 716 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		717
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		717
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		717
	OutputContent <OutptCntt>	[1..1]	±		718

16.4.2.3.7 RepeatedStoredValueResponse <RepeatdStordValRspn>

Presence: [0..1]

Definition: Content of the requested StoredValue Message Response.

RepeatedStoredValueResponse <RepeatdStordValRspn> contains the following **StoredValueResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		528
	POITransactionIdentification <POITxId>	[1..1]	±		529
	Result <RsIt>	[0..*]			529
	Provider <Prvdr>	[0..1]	Text		530
	TransactionType <TxTp>	[1..1]	CodeSet		530
	AccountIdentification <AcctId>	[0..1]			531
	AccountType <AcctTp>	[0..1]	CodeSet		531
	IdentificationType <IdTp>	[0..1]	CodeSet		532
	Identification <Id>	[0..1]	Text		532
	Brand <Brnd>	[0..1]	Text		533
	Provider <Prvdr>	[0..1]	Text		533
	OwnerName <OwnrNm>	[0..1]	Text		533
	ExpiryDate <XpryDt>	[0..1]	Text		533
	EntryMode <NtryMd>	[0..1]	CodeSet		533
	Currency <Ccy>	[0..1]	CodeSet	C1	534
	Balance <Bal>	[0..1]	Amount		534
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		534
	ProductCode <PdctCd>	[0..1]	Text		538
	EANUPC <EANUPC>	[0..1]	Text		539
	ItemAmount <ItmAmt>	[0..1]	Amount		539
	Currency <Ccy>	[0..1]	CodeSet	C1	539
	HostTransactionIdentification <HstTxId>	[0..1]	±		539
	Receipt <Rct>	[0..*]	±		539

16.4.2.3.7.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.7.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.7.3 Result <Rslt>

Presence: [0..*]

Definition: Result of loading/reloading a stored value card.

Result <Rslt> contains the following **StoredValueData5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		530
	TransactionType <TxTp>	[1..1]	CodeSet		530
	AccountIdentification <AcctId>	[0..1]			531
	AccountType <AcctTp>	[0..1]	CodeSet		531
	IdentificationType <IdTp>	[0..1]	CodeSet		532
	Identification <Id>	[0..1]	Text		532
	Brand <Brnd>	[0..1]	Text		533
	Provider <Prvdr>	[0..1]	Text		533
	OwnerName <OwnrNm>	[0..1]	Text		533
	ExpiryDate <XpryDt>	[0..1]	Text		533
	EntryMode <NtryMd>	[0..1]	CodeSet		533
	Currency <Ccy>	[0..1]	CodeSet	C1	534
	Balance <Bal>	[0..1]	Amount		534
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		534
	ProductCode <PdctCd>	[0..1]	Text		538
	EANUPC <EANUPC>	[0..1]	Text		539
	ItemAmount <ItmAmt>	[0..1]	Amount		539
	Currency <Ccy>	[0..1]	CodeSet	C1	539
	HostTransactionIdentification <HstTxId>	[0..1]	±		539

16.4.2.3.7.3.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identification of the provider of the stored value account load/reload.

Datatype: "Max35Text" on page 987

16.4.2.3.7.3.2 TransactionType <TxTp>

Presence: [1..1]

Definition: Identification of operation to proceed on the stored value account or the stored value card.

Datatype: "StoredValueTransactionType2Code" on page 973

CodeName	Name	Definition
ACTV	Activate	Activate the account or the card.
DUPL	Duplicate	Duplicate the code or number provided by the loading or activation.

CodeName	Name	Definition
LOAD	Load	Load the account or the card with money.
RESV	Reserve	Reserve the account (e.g. get an activation code).
REVS	Reverse	Reverse an activation or loading.
ULOA	Unload	Unload the account.
CLOS	CloseAccount	Close the account.
DCTV	Deactivate	Deactivate the account or the card.
OPEN	OpenAccount	Open the account.

16.4.2.3.7.3.3 AccountIdentification <AcctId>

Presence: [0..1]

Definition: Identification of the stored value account or the stored value card.

AccountIdentification <AcctId> contains the following **StoredValueAccount2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		531
	IdentificationType <IdTp>	[0..1]	CodeSet		532
	Identification <Id>	[0..1]	Text		532
	Brand <Brnd>	[0..1]	Text		533
	Provider <Prvdr>	[0..1]	Text		533
	OwnerName <OwnrNm>	[0..1]	Text		533
	ExpiryDate <XpryDt>	[0..1]	Text		533
	EntryMode <NtryMd>	[0..1]	CodeSet		533
	Currency <Ccy>	[0..1]	CodeSet	C1	534
	Balance <Bal>	[0..1]	Amount		534

16.4.2.3.7.3.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 972

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.

CodeName	Name	Definition
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.

16.4.2.3.7.3.3.2 IdentificationType <IdTp>*Presence:* [0..1]*Definition:* Type of identification for this Stored Value Account.*Datatype:* "CardIdentificationType1Code" on page 934

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.

16.4.2.3.7.3.3.3 Identification <Id>*Presence:* [0..1]*Definition:* Identification of Stored Value Account.*Datatype:* "Max35Text" on page 987

16.4.2.3.7.3.3.4 Brand <Brnd>*Presence:* [0..1]*Definition:* Brand to which belong the account.*Datatype:* "Max35Text" on page 987**16.4.2.3.7.3.3.5 Provider <Prvdr>***Presence:* [0..1]*Definition:* Provider of the Stored Value Account.*Datatype:* "Max35Text" on page 987**16.4.2.3.7.3.3.6 OwnerName <OwnrNm>***Presence:* [0..1]*Definition:* Owner name of an account.*Datatype:* "Max45Text" on page 988**16.4.2.3.7.3.3.7 ExpiryDate <XpryDt>***Presence:* [0..1]*Definition:* Expiry date of the account of card.*Datatype:* "Max10Text" on page 985**16.4.2.3.7.3.3.8 EntryMode <NtryMd>***Presence:* [0..1]*Definition:* Standard or last entry mode to access the Stored Value account or card.*Datatype:* "CardDataReading8Code" on page 932

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.)

16.4.2.3.7.3.3.9 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the Stored Value account.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

16.4.2.3.7.3.3.10 Balance <Bal>*Presence:* [0..1]*Definition:* Current balance of the Stored Value account.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**16.4.2.3.7.3.4 OriginalPOITransaction <OrgnIPOITx>***Presence:* [0..1]*Definition:* Identification of a previous POI transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <DclrtnDtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

16.4.2.3.7.3.5 ProductCode <PdctCd>*Presence:* [0..1]*Definition:* Product code of item purchased with the transaction.*Datatype:* "Max35Text" on page 987

16.4.2.3.7.3.6 EANUPC <EANUPC>*Presence:* [0..1]*Definition:* Standard European Article Number Universal Product Code of item purchased with the transaction.*Datatype:* "Max35NumericText" on page 987**16.4.2.3.7.3.7 ItemAmount <ItmAmt>***Presence:* [0..1]*Definition:* Total amount of the item line.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**16.4.2.3.7.3.8 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency of the monetary amount.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

16.4.2.3.7.3.9 HostTransactionIdentification <HstTxId>*Presence:* [0..1]*Definition:* Identification of the transaction by the host in charge of the stored value transaction.

HostTransactionIdentification <HstTxId> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.7.4 Receipt <Rct>*Presence:* [0..*]*Definition:* Customer or Merchant payment receipt.

Receipt <Rct> contains the following elements (see "PaymentReceipt4" on page 716 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		717
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		717
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		717
	OutputContent <OutptCntt>	[1..1]	±		718

16.4.2.3.8 RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn>

Presence: [0..1]

Definition: Content of the requested CardAcquisition Message Response.

RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn> contains the following **CardAcquisitionResponse3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxld>	[0..1]	±		540
	POITransactionIdentification <POITxld>	[1..1]	±		540
	PaymentBrand <PmtBrnd>	[0..*]	Text		541
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	541
	LoyaltyAccount <LtyAcct>	[0..*]	±		541
	CustomerOrder <CstmrOrd>	[0..*]	±		542

16.4.2.3.8.1 SaleTransactionIdentification <SaleTxld>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxld> contains the following elements (see "TransactionIdentifier1" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.8.2 POITransactionIdentification <POITxld>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

16.4.2.3.8.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

Datatype: ["Max35Text"](#) on page 987

16.4.2.3.8.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: [C6 "ValidationByTable"](#)

Datatype: ["LanguageCode"](#) on page 948

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

16.4.2.3.8.5 LoyaltyAccount <LltyAcct>

Presence: [0..*]

Definition: Loyalty account information.

LoyaltyAccount <LltyAcct> contains the following elements (see ["LoyaltyAccount3"](#) on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LltyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

16.4.2.3.8.6 CustomerOrder <CstmrOrd>*Presence:* [0..*]*Definition:* Customer order attached to a customer, recorded in the POI system.**CustomerOrder <CstmrOrd>** contains the following elements (see "CustomerOrder1" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

**16.4.2.3.9 RepeatedSendApplicationProtocolDataUnitCardReaderResponse
<RpeatdSndAppIprtcolDataUnitCardRdrRspn>***Presence:* [0..1]*Definition:* Content of the requested SendApplicationProtocolDataUnitCardReader Message Response.**RepeatedSendApplicationProtocolDataUnitCardReaderResponse
<RpeatdSndAppIprtcolDataUnitCardRdrRspn>** contains the following
DeviceSendApplicationProtocolDataUnitCardReaderResponse1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Data <Data>	[0..1]	Binary		542
	CardStatus <CardSts>	[1..1]	Binary		542

16.4.2.3.9.1 Data <Data>*Presence:* [0..1]*Definition:* Class field of the Application Protocol Data Unit command (CLA).*Datatype:* "Min1Max256Binary" on page 917**16.4.2.3.9.2 CardStatus <CardSts>***Presence:* [1..1]*Definition:* Status of a smartcard response to a command (SW1-SW2). Reference: ISO 7816-4.

Datatype: "Min1Max256Binary" on page 917

16.4.2.4 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

16.4.2.5 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

16.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

17 casp.016.001.04 SaleToPOIDeviceRequestV04

17.1 MessageDefinition Functionality

The SaleTOPOIDeviceRequest message is sent by the sale system to POI system to request a device service.

Outline

The SaleToPOIDeviceRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. DeviceRequest

Information related to a device request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

17.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIDvcReq>	[1..1]			
	Header <Hdr>	[1..1]			545
	MessageFunction <MsgFctn>	[1..1]	CodeSet		545
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		546
	ExchangeIdentification <XchgId>	[1..1]	Text		547
	CreationDateTime <CreDtTm>	[1..1]	DateTime		547
	InitiatingParty <InitgPty>	[1..1]	±		547
	RecipientParty <RcptPty>	[0..1]	±		547
	Traceability <Tracblt>	[0..*]	±		548
	DeviceRequest <DvcReq>	[1..1]	±		548
	SecurityTrailer <SctyTrlr>	[0..1]	±		551

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 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.

17.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

17.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		545
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		546
	ExchangeIdentification <XchgId>	[1..1]	Text		547
	CreationDateTime <CreDtTm>	[1..1]	DateTime		547
	InitiatingParty <InitgPty>	[1..1]	±		547
	RecipientParty <RcptPty>	[0..1]	±		547
	Traceability <Tracblt>	[0..*]	±		548

17.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

17.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

17.4.1.3 ExchangeIdentification <XchgId>*Presence:* [1..1]*Definition:* Unique identification of an exchange occurrence.*Datatype:* "Max35Text" on page 987**17.4.1.4 CreationDateTime <CreDtTm>***Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODateTime" on page 981**17.4.1.5 InitiatingParty <InitgPty>***Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

17.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

17.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

17.4.2 DeviceRequest <DvcReq>

Presence: [1..1]

Definition: Information related to a device request.

DeviceRequest <DvcReq> contains the following elements (see "DeviceRequest5" on page 560 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		563
	Context <Cntxt>	[0..1]	±		569
	ServiceContent <SvcCntt>	[1..1]	CodeSet		572
	DisplayRequest <DispReq>	[0..1]			572
	DisplayOutput <DispOutpt>	[1..*]	±		572
	InputRequest <InptReq>	[0..1]			573
	DisplayOutput <DispOutpt>	[0..1]	±		574
	InputData <InptData>	[1..1]			575
	DeviceType <DvcTp>	[1..1]	CodeSet		576
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		576
	InputCommand <InptCmd>	[1..1]	CodeSet		577
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		578
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		578
	InputText <InptTxt>	[0..1]	±		578
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		579
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		579
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		579
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		580
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		580
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		580
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		580
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		580
	PrintRequest <PrtReq>	[0..1]			581
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		581
	ResponseMode <RspnMd>	[1..1]	CodeSet		581
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		582
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		582
	OutputContent <OutptCntt>	[1..1]	±		582
	PlayResourceRequest <PlayRsrcReq>	[0..1]			583
	ResponseMode <RspnMd>	[0..1]	CodeSet		584

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResourceAction <RsrcActn>	[1..1]	CodeSet		584
	SoundVolume <SoundVol>	[0..1]	Rate		584
	DisplayResolution <DispRsln>	[0..1]	Text		584
	Resource <Rsrc>	[0..1]			584
	ResourceType <RsrcTp>	[1..1]	CodeSet		585
	ResourceFormat <RsrcFrmt>	[0..1]	CodeSet		585
	Language <Lang>	[0..1]	CodeSet	C6	585
	ResourceReference <RsrcRef>	[0..1]	Text		585
	TimingSlot <TmgSlot>	[0..1]	CodeSet		586
	SecureInputRequest <ScrInptReq>	[0..1]			586
	PINRequestType <PINReqTp>	[1..1]	CodeSet		586
	PINVerificationMethod <PINVrfctnMtd>	[0..1]	Text		587
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		587
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		587
	CardholderPIN <CrhdldrPIN>	[0..1]			587
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		587
	PINFormat <PINFrmt>	[1..1]	CodeSet		588
	AdditionalInput <AddtlInpt>	[0..1]	Text		588
	InitialisationCardReaderRequest <InitlstnCardRdrReq>	[0..1]			588
	WarmResetFlag <WarmRstFlg>	[0..1]	Indicator		589
	ForceEntryMode <ForceNtryMd>	[0..*]	CodeSet		589
	LeaveCardFlag <LeavCardFlg>	[0..1]	Indicator		590
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		590
	DisplayOutput <DispOutpt>	[0..1]	±		590
	CardReaderAPDURequest <CardRdrAPDUReq>	[0..1]			591
	Class <Clss>	[1..1]	Binary		591
	Instruction <Instr>	[1..1]	Binary		591
	Parameter1 <Param1>	[1..1]	Binary		591
	Parameter2 <Param2>	[1..1]	Binary		591
	Data <Data>	[0..1]	Binary		591
	ExpectedLength <XpctdLngth>	[0..1]	Binary		591

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PowerOffCardReaderRequest <PwrOffCardRdrReq>	[0..1]			592
	PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>	[0..1]	Quantity		592
	DisplayOutput <DispOutpt>	[0..1]	±		592
	TransmissionRequest <TrnsmssnReq>	[0..1]			593
	DestinationAddress <DstnAdr>	[1..1]	±		593
	MaximumTransmissionTime <MaxTrnsmssnTm>	[1..1]	Quantity		594
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		594
	MessageToSend <MsgToSnd>	[1..1]	Binary		594
	InputNotification <InptNtfctn>	[0..1]			594
	ExchangeIdentification <XchgId>	[1..1]	Text		594
	OutputContent <OutptCntt>	[1..1]	±		595
	SupplementaryData <SplmtryData>	[0..*]	±	C5	595

17.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

18 casp.017.001.04 SaleToPOIDeviceResponseV04

18.1 MessageDefinition Functionality

The SaleToPOIDeviceResponse message is sent by a POI System to sale system to provide result of a device request.

Outline

The SaleToPOIDeviceResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. DeviceResponse

Information related to the response of a device request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

18.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIDvcRspn>	[1..1]			
	Header <Hdr>	[1..1]			553
	MessageFunction <MsgFctn>	[1..1]	CodeSet		553
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		554
	ExchangeIdentification <XchgId>	[1..1]	Text		555
	CreationDateTime <CreDtTm>	[1..1]	DateTime		555
	InitiatingParty <InitgPty>	[1..1]	±		555
	RecipientParty <RcptPty>	[0..1]	±		555
	Traceability <Tracblt>	[0..*]	±		556
	DeviceResponse <DvcRspn>	[1..1]	±		556
	SecurityTrailer <SctyTrlr>	[0..1]	±		558

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 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.

18.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

18.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		553
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		554
	ExchangeIdentification <XchgId>	[1..1]	Text		555
	CreationDateTime <CreDtTm>	[1..1]	DateTime		555
	InitiatingParty <InitgPty>	[1..1]	±		555
	RecipientParty <RcptPty>	[0..1]	±		555
	Traceability <Tracblt>	[0..*]	±		556

18.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 962

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

18.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 989

18.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 987

18.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 981

18.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

18.4.1.6 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

18.4.1.7 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 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

18.4.2 DeviceResponse <DvcRspn>

Presence: [1..1]

Definition: Information related to the response of a device request.

DeviceResponse <DvcRspn> contains the following elements (see "DeviceResponse5" on page 596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		598
	Context <Cntxt>	[0..1]	±		604
	ServiceContent <SvcCntt>	[1..1]	CodeSet		607
	DisplayResponse <DispRspn>	[0..1]			607
	OutputResult <OutptRslt>	[1..*]			608
	DeviceType <DvcTp>	[1..1]	CodeSet		608
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		608
	Response <Rspn>	[1..1]	±		609
	InputResponse <InptRspn>	[0..1]			609
	OutputResult <OutptRslt>	[0..1]			610
	DeviceType <DvcTp>	[1..1]	CodeSet		610
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		611
	Response <Rspn>	[1..1]	±		612
	InputResult <InptRslt>	[1..1]			612
	DeviceType <DvcTp>	[1..1]	CodeSet		612
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		613
	InputResultData <InptRsltData>	[1..1]			613
	InputCommand <InptCmd>	[1..1]	CodeSet		614
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		615
	FunctionKey <FctnKey>	[0..1]	Quantity		615
	InputMessage <InptMsg>	[0..1]	Text		615
	Password <Pwd>	[0..1]	±		615
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			616
	ImageFormat <ImgFrmt>	[1..1]	Text		616
	ImageData <ImgData>	[0..1]	Binary		616
	ImageReference <ImgRef>	[0..1]	Text		616
	AdditionalInformation <AddtlInf>	[0..1]	Text		616
	PrintResponse <PrtRspn>	[0..1]			616
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		616
	SecureInputResponse <ScrInptRspn>	[0..1]			617

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderPIN <CrdhldrPIN>	[0..1]			617
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		618
	PINFormat <PINFrmt>	[1..1]	CodeSet		618
	AdditionalInput <AddtlInpt>	[0..1]	Text		618
	InitialisationCardReaderResponse <InitlsthCardRdrRspn>	[0..1]			618
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		619
	ICCRResetData <ICCRstData>	[0..1]			619
	ATRValue <ATRVal>	[0..1]	Binary		620
	CardStatus <CardSts>	[0..1]	Binary		620
	AdditionalInformation <AddtlInf>	[0..1]	Binary		620
	CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>	[0..1]			620
	Data <Data>	[0..1]	Binary		620
	CardStatus <CardSts>	[1..1]	Binary		620
	TransmissionResponse <TrnsmssnRspn>	[0..1]			621
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		621
	Response <Rspn>	[1..1]	±		621
	SupplementaryData <SplmtryData>	[0..*]	±	C5	621

18.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

19 Message Items Types

19.1 MessageComponents

19.1.1 Acquirer

19.1.1.1 Acquirer10

Definition: Acquirer involved in the card payment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		559
	ParametersVersion <ParamsVrsn>	[0..1]	Text		559

19.1.1.1.1 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

19.1.1.1.2 ParametersVersion <ParamsVrsn>

Presence: [0..1]

Definition: Version of the payment acquirer parameters of the POI.

Datatype: "Max256Text" on page 986

19.1.1.2 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		560
	KeyVersion <KeyVrsn>	[1..1]	Text		560
	SequenceNumber <SeqNb>	[0..1]	Quantity		560
	DerivationIdentification <DerivtnId>	[0..1]	Binary		560

19.1.1.2.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 985

19.1.1.2.2 KeyVersion <KeyVrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 985

19.1.1.2.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: "Number" on page 983

19.1.1.2.4 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 916

19.1.2 Action

19.1.2.1 DeviceRequest5

Definition: This component define the environment, the context and the services to be used with this message.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		563
	Context <Cntxt>	[0..1]	±		569
	ServiceContent <SvcCntt>	[1..1]	CodeSet		572
	DisplayRequest <DispReq>	[0..1]			572
	DisplayOutput <DispOutpt>	[1..*]	±		572
	InputRequest <InptReq>	[0..1]			573
	DisplayOutput <DispOutpt>	[0..1]	±		574
	InputData <InptData>	[1..1]			575
	DeviceType <DvcTp>	[1..1]	CodeSet		576
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		576
	InputCommand <InptCmd>	[1..1]	CodeSet		577
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		578
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		578
	InputText <InptTxt>	[0..1]	±		578
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		579
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		579
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		579
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		580
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		580
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		580
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		580
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		580
	PrintRequest <PrtReq>	[0..1]			581
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		581
	ResponseMode <RspnMd>	[1..1]	CodeSet		581
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		582
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		582
	OutputContent <OutptCntt>	[1..1]	±		582
	PlayResourceRequest <PlayRsrcReq>	[0..1]			583
	ResponseMode <RspnMd>	[0..1]	CodeSet		584
	ResourceAction <RsrcActn>	[1..1]	CodeSet		584

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SoundVolume <SoundVol>	[0..1]	Rate		584
	DisplayResolution <DispRsln>	[0..1]	Text		584
	Resource <Rsrc>	[0..1]			584
	ResourceType <RsrcTp>	[1..1]	CodeSet		585
	ResourceFormat <RsrcFrmt>	[0..1]	CodeSet		585
	Language <Lang>	[0..1]	CodeSet	C6	585
	ResourceReference <RsrcRef>	[0..1]	Text		585
	TimingSlot <TmgSlot>	[0..1]	CodeSet		586
	SecureInputRequest <ScrInptReq>	[0..1]			586
	PINRequestType <PINReqTp>	[1..1]	CodeSet		586
	PINVerificationMethod <PINVrfctnMtd>	[0..1]	Text		587
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		587
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		587
	CardholderPIN <CrdhldrPIN>	[0..1]			587
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		587
	PINFormat <PINFrmt>	[1..1]	CodeSet		588
	AdditionalInput <AddtlInpt>	[0..1]	Text		588
	InitialisationCardReaderRequest <InitlstnCardRdrReq>	[0..1]			588
	WarmResetFlag <WarmRstFlg>	[0..1]	Indicator		589
	ForceEntryMode <ForceNtryMd>	[0..*]	CodeSet		589
	LeaveCardFlag <LeavCardFlg>	[0..1]	Indicator		590
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		590
	DisplayOutput <DispOutpt>	[0..1]	±		590
	CardReaderAPDURequest <CardRdrAPDUReq>	[0..1]			591
	Class <C/ss>	[1..1]	Binary		591
	Instruction <Instr>	[1..1]	Binary		591
	Parameter1 <Param1>	[1..1]	Binary		591
	Parameter2 <Param2>	[1..1]	Binary		591
	Data <Data>	[0..1]	Binary		591
	ExpectedLength <XpctdLngh>	[0..1]	Binary		591
	PowerOffCardReaderRequest <PwrOffCardRdrReq>	[0..1]			592

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>	[0..1]	Quantity		592
	DisplayOutput <DispOutpt>	[0..1]	±		592
	TransmissionRequest <TrnsmssnReq>	[0..1]			593
	DestinationAddress <DstnAdr>	[1..1]	±		593
	MaximumTransmissionTime <MaxTrnsmssnTm>	[1..1]	Quantity		594
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		594
	MessageToSend <MsgToSnd>	[1..1]	Binary		594
	InputNotification <InptNtfctn>	[0..1]			594
	ExchangeIdentification <Xchgld>	[1..1]	Text		594
	OutputContent <OutptCntt>	[1..1]	±		595
	SupplementaryData <SplmtryData>	[0..*]	±	C5	595

19.1.2.1.1 Environment <Envt>

Presence: [0..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LltyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

19.1.2.1.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

19.1.2.1.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService8Code" on page 969

CodeName	Name	Definition
DDYQ	DeviceDisplayRequest	One System requests the other to display a message for cashier or customer.
DINQ	DeviceInputRequest	One system requests to the other System to get data input.
DPRQ	DevicePrintRequest	One system requests to the other System to print data.
DSOQ	DevicePlaySoundRequest	One system requests to the Other System to play a sound.
DSIQ	DeviceSecureInputRequest	One system requests to the Other System to securely get data input (e.g. for PIN).
DCIQ	DeviceInitialisationCardReaderRequest	Service to send parameters to use when card reader initializes a new communication with the card.
DCAQ	DeviceSendApplicationProtocolDataUnitCardReaderRequest	A service to send commands to a card.
DCPQ	DevicePowerOffCardReaderRequest	The Sale system requests to the POI System to power off the card reader.
DCOQ	DeviceTransmissionMessageRequest	The Sale system requests to the POI System to transmit a message (for instance to a mobile server).
DINO	DeviceInputNotification	One system sends a notification to the POI System to update a input request.

19.1.2.1.4 DisplayRequest <DispReq>

Presence: [0..1]

Definition: Content of the Display Request message.

DisplayRequest <DispReq> contains the following **DeviceDisplayRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DisplayOutput <DispOutpt>	[1..*]	±		572

19.1.2.1.4.1 DisplayOutput <DispOutpt>

Presence: [1..*]

Definition: Message to be displayed.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.2.1.5 InputRequest <InptReq>

Presence: [0..1]

Definition: Content of the Input Request message.

InputRequest <InptReq> contains the following **DeviceInputRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DisplayOutput <DispOutpt>	[0..1]	±		574
	InputData <InptData>	[1..1]			575
	DeviceType <DvcTp>	[1..1]	CodeSet		576
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		576
	InputCommand <InptCmd>	[1..1]	CodeSet		577
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		578
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		578
	InputText <InptTxt>	[0..1]	±		578
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		579
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		579
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		579
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		580
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		580
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		580
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		580
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		580

19.1.2.1.5.1 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Information to display before input.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.2.1.5.2 InputData <InptData>

Presence: [1..1]

Definition: Information related to an Input request.

InputData <InptData> contains the following **InputData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceType <DvcTp>	[1..1]	CodeSet		576
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		576
	InputCommand <InptCmd>	[1..1]	CodeSet		577
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		578
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		578
	InputText <InptTxt>	[0..1]	±		578
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		579
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		579
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		579
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		580
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		580
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		580
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		580
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		580

19.1.2.1.5.2.1 DeviceType <DvcTp>

Presence: [1..1]

Definition: Type of logical device located on a Sale Terminal or a POI Terminal.

Datatype: "SaleCapabilities2Code" on page 972

CodeName	Name	Definition
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.
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).

19.1.2.1.5.2.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualification of the information to output to the logical device.

Datatype: "InformationQualify1Code" on page 945

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.

19.1.2.1.5.2.3 InputCommand <InptCmd>

Presence: [1..1]

Definition: Type of requested input.

Datatype: "InputCommand1Code" on page 945

CodeName	Name	Definition
DCSG	DecimalString	Wait for a string of digit characters with a decimal point, the length range could be specified.
DGSG	DigitString	Wait for a string of digit characters.
GAKY	GetAnyKey	Wait for a key pressed on the Terminal, to be able to read the message displayed on the Terminal.
GCNF	GetConfirmation	Wait for a confirmation Yes (Y) or No (N) on the Sale System. Wait for a confirmation (Valid or Cancel button) on

CodeName	Name	Definition
		the POI Terminal. The result of the command is a Boolean: True or False.
GFKY	GetFunctionKey	Wait for a function key pressed on the Terminal: From POI, Valid, Clear, Correct, Generic Function key number. From Sale, Generic Function key.
GMNE	GetMenuEntry	To choose an entry among a list of entries (all of them are not necessary selectable). The OutputFormat has to be MenuEntry.
PSWD	Password	Request to enter a password with masked characters while typing the password.
SITE	SiteManager	Wait for a confirmation Yes (Y) or No (N) of the Site Manager on the Sale System.
TXSG	TextString	Wait for a string of alphanumeric characters.
HTML	XHTMLText	Wait for a XHTML data.
SIGN	Signature	Request to wait for signature.

19.1.2.1.5.2.4 NotifyCardInputFlag <NtfyCardInptFlg>

Presence: [1..1]

Definition: Flag of notification of card to be entered in the POI card reader.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

19.1.2.1.5.2.5 MaximumInputTime <MaxInptTm>

Presence: [0..1]

Definition: Maximum input time in seconds.

Datatype: ["Number" on page 983](#)

19.1.2.1.5.2.6 InputText <InptTxt>

Presence: [0..1]

Definition: Text value set for an input command.

InputText <InptTxt> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.2.1.5.2.7 ImmediateResponseFlag <ImdtRspnFlg>

Presence: [0..1]

Definition: Flag to request Immediate response without waiting for the completion of the command.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 983):

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

19.1.2.1.5.2.8 WaitUserValidationFlag <WaitUsrVldtnFlg>

Presence: [0..1]

Definition: Flag to confirm by the user the entered characters, when the maximum allowed length is reached.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 983):

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

19.1.2.1.5.2.9 BeepKeyFlag <BeepKeyFlg>

Presence: [0..1]

Definition: Flag to indicate that when the user press a key, a beep has to be generated.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 983):

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

19.1.2.1.5.2.10 GlobalCorrectionFlag <GblCrrctnFlg>

Presence: [0..1]

Definition: Flag to correct all characters (True) or just the last one (False).

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

19.1.2.1.5.2.11 DisableCancelFlag <DsblCclFlg>

Presence: [0..1]

Definition: Flag to deactivate the "Cancel" function key.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

19.1.2.1.5.2.12 DisableCorrectFlag <DsblCrrctFlg>

Presence: [0..1]

Definition: Flag to deactivate the "Correct" function key.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

19.1.2.1.5.2.13 DisableValidFlag <DsblVldFlg>

Presence: [0..1]

Definition: Flag to disable the "Valid" function key.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

19.1.2.1.5.2.14 MenuBackFlag <MenuBckFlg>

Presence: [0..1]

Definition: Flag to enable the "Back" function key to go the upper level.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

19.1.2.1.6 PrintRequest <PrtReq>*Presence:* [0..1]*Definition:* Content of the Print Request message.**PrintRequest <PrtReq>** contains the following **DevicePrintRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		581
	ResponseMode <RspnMd>	[1..1]	CodeSet		581
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		582
	RequiredSignatureFlag <ReqrdSgntFlg>	[0..1]	Indicator		582
	OutputContent <OutptCntt>	[1..1]	±		582

19.1.2.1.6.1 DocumentQualifier <DocQlfr>*Presence:* [1..1]*Definition:* Qualifies the type of document.*Datatype:* "DocumentType7Code" on page 941

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.

19.1.2.1.6.2 ResponseMode <RspnMd>*Presence:* [1..1]*Definition:* Type of awaited response (none, immediate, after printing, after sound).*Datatype:* "ResponseMode2Code" on page 962

CodeName	Name	Definition
SEND	EndOfPlay	The Response is required at the end of play.

CodeName	Name	Definition
IMMD	Immediate	The Message Response is immediate, after taking into account the request.
NREQ	NotRequired	The Message Response is not required, except in case of error.
PEND	PrintEnd	The Print Response is required at the end of print.

19.1.2.1.6.3 IntegratedPrintFlag <IntgrtdPrtFlg>

Presence: [0..1]

Definition: Flag that the print is integrated to other prints.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

19.1.2.1.6.4 RequiredSignatureFlag <ReqrdSgntrFlg>

Presence: [0..1]

Definition: Flag to require a physical signature by the Customer.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

19.1.2.1.6.5 OutputContent <OutptCntt>

Presence: [1..1]

Definition: Content of the message to print.

OutputContent <OutptCntt> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRcdNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.2.1.7 PlayResourceRequest <PlayRsrcReq>

Presence: [0..1]

Definition: Content of the Resource Request message.

PlayResourceRequest <PlayRsrcReq> contains the following **DevicePlayResourceRequest1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseMode <RspnMd>	[0..1]	CodeSet		584
	ResourceAction <RsrcActn>	[1..1]	CodeSet		584
	SoundVolume <SoundVol>	[0..1]	Rate		584
	DisplayResolution <DispRsln>	[0..1]	Text		584
	Resource <Rsrc>	[0..1]			584
	ResourceType <RsrcTp>	[1..1]	CodeSet		585
	ResourceFormat <RsrcFrmt>	[0..1]	CodeSet		585
	Language <Lang>	[0..1]	CodeSet	C6	585
	ResourceReference <RsrcRef>	[0..1]	Text		585
	TimingSlot <TmgSlot>	[0..1]	CodeSet		586

19.1.2.1.7.1 ResponseMode <RspnMd>*Presence:* [0..1]*Definition:* Message response awaited by the initiator of the Request.*Datatype:* "ResponseMode2Code" on page 962

CodeName	Name	Definition
SEND	EndOfPlay	The Response is required at the end of play.
IMMD	Immediate	The Message Response is immediate, after taking into account the request.
NREQ	NotRequired	The Message Response is not required, except in case of error.
PEND	PrintEnd	The Print Response is required at the end of print.

19.1.2.1.7.2 ResourceAction <RsrcActn>*Presence:* [1..1]*Definition:* Requested Action: Start to play a media resource, Stop to play a media resource, Set the default volume.*Datatype:* "ResourceAction1Code" on page 960

CodeName	Name	Definition
PAUS	Pause	Pause the media resource in progress as specified in the message.
STAS	Play	Start the media resource as specified in the message.
LOOP	PlayInLoop	Play in a loop the media resource as specified in the message.
RESU	Resume	Resume the progress of the media resource as specified in the message.
DVOL	SetDefaultVolume	Set the default volume of sounds.
STOS	Stop	Stop the media resource in progress.

19.1.2.1.7.3 SoundVolume <SoundVol>*Presence:* [0..1]*Definition:* Volume of a sound, either in a percentage of the maximum volume, or 0 to mute.*Datatype:* "PercentageRate" on page 984**19.1.2.1.7.4 DisplayResolution <DispRsln>***Presence:* [0..1]*Definition:* Resolution to use.*Datatype:* "Max35Text" on page 987**19.1.2.1.7.5 Resource <Rsrc>***Presence:* [0..1]

Definition: Identification of the resource to use.

Resource <Rsrc> contains the following **ResourceContent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResourceType <RsrcTp>	[1..1]	CodeSet		585
	ResourceFormat <RsrcFmt>	[0..1]	CodeSet		585
	Language <Lang>	[0..1]	CodeSet	C6	585
	ResourceReference <RsrcRef>	[0..1]	Text		585

19.1.2.1.7.5.1 ResourceType <RsrcTp>

Presence: [1..1]

Definition: Type of media resource.

Datatype: "ResourceType1Code" on page 961

CodeName	Name	Definition
TEXT	TextToSpeech	Voice synthesis.
URLI	UniformResourceIdentifier	String of characters that unambiguously identifies a particular resource.

19.1.2.1.7.5.2 ResourceFormat <RsrcFmt>

Presence: [0..1]

Definition: Format of the media resource;

Datatype: "SoundFormat1Code" on page 972

CodeName	Name	Definition
MSGR	MessageRef	Reference of a preloaded text to play.
SNDR	SoundRef	Preloaded sound File.
TEXT	Text	Text to play.

19.1.2.1.7.5.3 Language <Lang>

Presence: [0..1]

Definition: Language of the media resource.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 948

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.2.1.7.5.4 ResourceReference <RsrcRef>

Presence: [0..1]

Definition: Reference of a media resource.

Datatype: "Max1025Text" on page 985

19.1.2.1.7.6 TimingSlot <TmgSlot>

Presence: [0..1]

Definition: Identification of the moment to manage the media resource.

Datatype: "ProcessingPosition2Code" on page 959

CodeName	Name	Definition
AFTE	After	Specifies that the transaction/instruction is to be executed after the linked transaction/instruction.
WITH	With	Specifies that the transaction/instruction is to be executed with the linked transaction/instruction.
BEFO	Before	Specifies that the transaction/instruction is to be executed before the linked transaction/instruction.
INFO	Information	Specifies that the transactions/instructions are linked for information purposes only.

19.1.2.1.8 SecureInputRequest <ScrInptReq>

Presence: [0..1]

Definition: Request a secure input for a PIN.

SecureInputRequest <ScrInptReq> contains the following **DeviceSecureInputRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PINRequestType <PINReqTp>	[1..1]	CodeSet		586
	PINVerificationMethod <PINVrfctnMtd>	[0..1]	Text		587
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		587
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		587
	CardholderPIN <CrdhldrPIN>	[0..1]			587
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		587
	PINFormat <PINFrmt>	[1..1]	CodeSet		588
	AdditionalInput <AddtlInpt>	[0..1]	Text		588

19.1.2.1.8.1 PINRequestType <PINReqTp>

Presence: [1..1]

Definition: Type of PIN Service.

Datatype: "PINRequestType1Code" on page 956

CodeName	Name	Definition
PIAE	PINAcquisitionEncryption	The cardholder enters the PIN, the POI enciphers the PIN Block and provides it as a result to the Sale System.
PIAV	PINAcquisitionVerification	The Cardholder enters the PIN and the POI verifies it.
PIVO	PINVerifyOnly	The Sale System send a previous keyed PIN and the POI verifies it.

19.1.2.1.8.2 PINVerificationMethod <PINVrfctnMtd>

Presence: [0..1]

Definition: Identify the PIN verification method and keys.

Datatype: "Max35Text" on page 987

19.1.2.1.8.3 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Maximum time to wait for the request processing in seconds.

Datatype: "Number" on page 983

19.1.2.1.8.4 BeepKeyFlag <BeepKeyFlg>

Presence: [0..1]

Definition: Indicates, when the user press a key, if a beep has to be generated.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 983):

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

19.1.2.1.8.5 CardholderPIN <CrdhldrPIN>

Presence: [0..1]

Definition: Enciphered PIN and related information.

CardholderPIN <CrdhldrPIN> contains the following **OnLinePIN9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		587
	PINFormat <PINFrmt>	[1..1]	CodeSet		588
	AdditionalInput <AddtlInpt>	[0..1]	Text		588

19.1.2.1.8.5.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see "ContentInformationType32" on page 878 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.2.1.8.5.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 955

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.

19.1.2.1.8.5.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 987

19.1.2.1.9 InitialisationCardReaderRequest <InitlstnCardRdrReq>

Presence: [0..1]

Definition: A service to send parameters to Card Reader to initialize a new communication with a card.

InitialisationCardReaderRequest <InitIstnCardRdrReq> contains the following **DeviceInitialisationCardReaderRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	WarmResetFlag <WarmRstFlg>	[0..1]	Indicator		589
	ForceEntryMode <ForceNtryMd>	[0..*]	CodeSet		589
	LeaveCardFlag <LeavCardFlg>	[0..1]	Indicator		590
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		590
	DisplayOutput <DispOutpt>	[0..1]	±		590

19.1.2.1.9.1 WarmResetFlag <WarmRstFlg>

Presence: [0..1]

Definition: Flag to request a warm reset on a chip.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 983):

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

19.1.2.1.9.2 ForceEntryMode <ForceNtryMd>

Presence: [0..*]

Definition: Payment instrument entry mode requested by the Sale System.

Datatype: ["CardDataReading8Code"](#) on page 932

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.

CodeName	Name	Definition
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

19.1.2.1.9.3 LeaveCardFlag <LeavCardFlg>

Presence: [0..1]

Definition: Flag to indicate the POI System to keep the card in the reader for a smart card.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 983](#)):

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

19.1.2.1.9.4 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Maximum time in seconds that the POI has to wait for a card response.

Datatype: ["Number" on page 983](#)

19.1.2.1.9.5 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Information to display.

DisplayOutput <DispOutpt> contains the following elements (see ["ActionMessage9" on page 798](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.2.1.10 CardReaderAPDURequest <CardRdrAPDUReq>*Presence:* [0..1]*Definition:* Content of the APDU (Application Protocol Data Unit) to send to the Card.**CardReaderAPDURequest <CardRdrAPDUReq>** contains the following **DeviceSendApplicationProtocolDataUnitCardReaderRequest1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Class <Class>	[1..1]	Binary		591
	Instruction <Instr>	[1..1]	Binary		591
	Parameter1 <Param1>	[1..1]	Binary		591
	Parameter2 <Param2>	[1..1]	Binary		591
	Data <Data>	[0..1]	Binary		591
	ExpectedLength <XpctdLngh>	[0..1]	Binary		591

19.1.2.1.10.1 Class <Class>*Presence:* [1..1]*Definition:* Class field of the Application Protocol Data Unit command (CLA).*Datatype:* "Min1Max256Binary" on page 917**19.1.2.1.10.2 Instruction <Instr>***Presence:* [1..1]*Definition:* Instruction field of the Application Protocol Data Unit command (INS).*Datatype:* "Min1Max256Binary" on page 917**19.1.2.1.10.3 Parameter1 <Param1>***Presence:* [1..1]*Definition:* Parameter 1 field of the Application Protocol Data Unit command*Datatype:* "Min1Max256Binary" on page 917**19.1.2.1.10.4 Parameter2 <Param2>***Presence:* [1..1]*Definition:* Parameter 2 field of the Application Protocol Data Unit command*Datatype:* "Min1Max256Binary" on page 917**19.1.2.1.10.5 Data <Data>***Presence:* [0..1]*Definition:* Data field of the Application Protocol Data Unit command to send including the length.*Datatype:* "Min1Max256Binary" on page 917**19.1.2.1.10.6 ExpectedLength <XpctdLngh>***Presence:* [0..1]

Definition: Expected length of the data field of the Application Protocol Data Unit response to the command.

Datatype: "Min1Max256Binary" on page 917

19.1.2.1.11 PowerOffCardReaderRequest <PwrOffCardRdrReq>

Presence: [0..1]

Definition: Content of the Power Off Card Reader Request message.

PowerOffCardReaderRequest <PwrOffCardRdrReq> contains the following **DevicePoweroffCardReaderRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>	[0..1]	Quantity		592
	DisplayOutput <DispOutpt>	[0..1]	±		592

19.1.2.1.11.1 PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>

Presence: [0..1]

Definition: Maximum time to wait for the request processing in seconds.

Datatype: "Number" on page 983

19.1.2.1.11.2 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Optional message before Power-Off.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrCdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrCdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.2.1.12 TransmissionRequest <TrnsmssnReq>

Presence: [0..1]

Definition: Content of the Request message to transmit.

TransmissionRequest <TrnsmssnReq> contains the following **DeviceTransmitMessageRequest2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DestinationAddress <DstnAdr>	[1..1]	±		593
	MaximumTransmissionTime <MaxTrnsmssnTm>	[1..1]	Quantity		594
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		594
	MessageToSend <MsgToSnd>	[1..1]	Binary		594

19.1.2.1.12.1 DestinationAddress <DstnAdr>

Presence: [1..1]

Definition: Transport address.

DestinationAddress <DstnAdr> contains the following elements (see "NetworkParameters7" on page 849 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			850
	NetworkType <NtwkTp>	[1..1]	CodeSet		850
	AddressValue <AdrVal>	[1..1]	Text		850
	UserName <UsrNm>	[0..1]	Text		850
	AccessCode <AccsCd>	[0..1]	Binary		851
	ServerCertificate <SvrCert>	[0..*]	Binary		851
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		851
	ClientCertificate <CIntCert>	[0..*]	Binary		851
	SecurityProfile <SctyPrfl>	[0..1]	Text		851

19.1.2.1.12.2 MaximumTransmissionTime <MaxTrnsmssnTm>

Presence: [1..1]

Definition: Maximum time in seconds of transmission.

Datatype: "Number" on page 983

19.1.2.1.12.3 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Defines the timeout to receive an answer.

Datatype: "Number" on page 983

19.1.2.1.12.4 MessageToSend <MsgToSnd>

Presence: [1..1]

Definition: Content of the message to be transmitted.

Datatype: "Max100KBinary" on page 915

19.1.2.1.13 InputNotification <InptNtfctn>

Presence: [0..1]

Definition: Content of the Input notification message.

InputNotification <InptNtfctn> contains the following **DeviceInputNotification4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		594
	OutputContent <OutptCntt>	[1..1]	±		595

19.1.2.1.13.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Message main identifier.

Datatype: "Max35Text" on page 987

19.1.2.1.13.2 OutputContent <OutptCntt>

Presence: [1..1]

Definition: Updated content of the message to display before input.

OutputContent <OutptCntt> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.2.1.14 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

19.1.2.2 DeviceResponse5

Definition: This component define the type of Device service to be used with this message.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		598
	Context <Cntxt>	[0..1]	±		604
	ServiceContent <SvcCntt>	[1..1]	CodeSet		607
	DisplayResponse <DispRspn>	[0..1]			607
	OutputResult <OutptRslt>	[1..*]			608
	DeviceType <DvcTp>	[1..1]	CodeSet		608
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		608
	Response <Rspn>	[1..1]	±		609
	InputResponse <InptRspn>	[0..1]			609
	OutputResult <OutptRslt>	[0..1]			610
	DeviceType <DvcTp>	[1..1]	CodeSet		610
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		611
	Response <Rspn>	[1..1]	±		612
	InputResult <InptRslt>	[1..1]			612
	DeviceType <DvcTp>	[1..1]	CodeSet		612
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		613
	InputResultData <InptRsltData>	[1..1]			613
	InputCommand <InptCmd>	[1..1]	CodeSet		614
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		615
	FunctionKey <FctnKey>	[0..1]	Quantity		615
	InputMessage <InptMsg>	[0..1]	Text		615
	Password <Pwd>	[0..1]	±		615
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			616
	ImageFormat <ImgFrmt>	[1..1]	Text		616
	ImageData <ImgData>	[0..1]	Binary		616
	ImageReference <ImgRef>	[0..1]	Text		616
	AdditionalInformation <AddtlInf>	[0..1]	Text		616
	PrintResponse <PrtRspn>	[0..1]			616
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		616
	SecureInputResponse <ScrInptRspn>	[0..1]			617
	CardholderPIN <CrhdldrPIN>	[0..1]			617

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		618
	PINFormat <PINFrmt>	[1..1]	CodeSet		618
	AdditionalInput <AddtlInpt>	[0..1]	Text		618
	InitialisationCardReaderResponse <InitlstrCardRdrRspn>	[0..1]			618
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		619
	ICCRstData <ICCRstData>	[0..1]			619
	ATRValue <ATRVAl>	[0..1]	Binary		620
	CardStatus <CardSts>	[0..1]	Binary		620
	AdditionalInformation <AddtlInf>	[0..1]	Binary		620
	CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>	[0..1]			620
	Data <Data>	[0..1]	Binary		620
	CardStatus <CardSts>	[1..1]	Binary		620
	TransmissionResponse <TrnsmssnRspn>	[0..1]			621
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		621
	Response <Rspn>	[1..1]	±		621
	SupplementaryData <SplmtryData>	[0..*]	±	C5	621

19.1.2.2.1 Environment <Envvt>

Presence: [0..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 723 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LltyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crdhldr>	[0..1]			748
	Identification <Id>	[0..1]			752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BlgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			776
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

19.1.2.2.2 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 778 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrlId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

19.1.2.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service answered.

Datatype: "RetailerService9Code" on page 970

CodeName	Name	Definition
DDYP	DeviceDisplayResponse	One system responds to the other system for a display request.
DINP	DeviceInputResponse	One system responds to the other System for a input request.
DPRP	DevicePrintResponse	One system responds to the other System for a print request.
DSOP	DevicePlaySoundResponse	One system responds to the other System for a play sound request.
DSIP	DeviceSecureInputResponse	One system responds to the other System for secure data input.
DCIP	DeviceInitialisationCardReaderResponse	The POI system responds to the Sale System for a card reader initialisation.
DCAP	DeviceSendApplicationProtocolDataUnitCardReaderResponse	The POI system responds to the Sale System for a card reader Application Protocol Data Unit sending.
DCPP	DevicePowerOffCardRequestResponse	The POI system responds to the Sale System for a card reader power off.
DCOP	DeviceTransmissionMessageResponse	The POI system responds to the Sale System after a message transmission.

19.1.2.2.4 DisplayResponse <DispRspn>

Presence: [0..1]

Definition: Content of the Display Response message.

DisplayResponse <DispRspn> contains the following **DeviceDisplayResponse2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OutputResult <OutptRslt>	[1..*]			608
	DeviceType <DvcTp>	[1..1]	CodeSet		608
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		608
	Response <Rspn>	[1..1]	±		609

19.1.2.2.4.1 OutputResult <OutptRslt>*Presence:* [1..*]*Definition:* Give result for display request.**OutputResult <OutptRslt>** contains the following **OutputResult2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceType <DvcTp>	[1..1]	CodeSet		608
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		608
	Response <Rspn>	[1..1]	±		609

19.1.2.2.4.1.1 DeviceType <DvcTp>*Presence:* [1..1]*Definition:* Logical device located on a Sale Terminal or a POI Terminal, in term of class of information to output.*Datatype:* "UserInterface4Code" on page 980

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.

19.1.2.2.4.1.2 InformationQualifier <InfQlfr>*Presence:* [1..1]*Definition:* Qualification of the information to sent to an output logical device.*Datatype:* "InformationQualify1Code" on page 945

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

CodeName	Name	Definition
		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.

19.1.2.2.4.1.3 Response <Rspn>

Presence: [1..1]

Definition: Gives response for each peripheral.

Response <Rspn> contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

19.1.2.2.5 InputResponse <InptRspn>

Presence: [0..1]

Definition: Content of the Input Response message.

InputResponse <InptRspn> contains the following **DeviceInputResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OutputResult <OutptRslt>	[0..1]			610
	DeviceType <DvcTp>	[1..1]	CodeSet		610
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		611
	Response <Rspn>	[1..1]	±		612
	InputResult <InptRslt>	[1..1]			612
	DeviceType <DvcTp>	[1..1]	CodeSet		612
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		613
	InputResultData <InptRsltData>	[1..1]			613
	InputCommand <InptCmd>	[1..1]	CodeSet		614
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		615
	FunctionKey <FctnKey>	[0..1]	Quantity		615
	InputMessage <InptMsg>	[0..1]	Text		615
	Password <Pwd>	[0..1]	±		615
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			616
	ImageFormat <ImgFrmt>	[1..1]	Text		616
	ImageData <ImgData>	[0..1]	Binary		616
	ImageReference <ImgRef>	[0..1]	Text		616
	AdditionalInformation <AddtlInf>	[0..1]	Text		616

19.1.2.2.5.1 OutputResult <OutptRslt>

Presence: [0..1]

Definition: Result of display request.

OutputResult <OutptRslt> contains the following **OutputResult2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceType <DvcTp>	[1..1]	CodeSet		610
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		611
	Response <Rspn>	[1..1]	±		612

19.1.2.2.5.1.1 DeviceType <DvcTp>

Presence: [1..1]

Definition: Logical device located on a Sale Terminal or a POI Terminal, in term of class of information to output.

Datatype: "UserInterface4Code" on page 980

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.

19.1.2.2.5.1.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualification of the information to sent to an output logical device.

Datatype: "InformationQualify1Code" on page 945

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.

19.1.2.2.5.1.3 Response <Rspn>*Presence:* [1..1]*Definition:* Gives response for each peripheral.**Response <Rspn>** contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

19.1.2.2.5.2 InputResult <InptRslt>*Presence:* [1..1]*Definition:* Result of input request.**InputResult <InptRslt>** contains the following **InputResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceType <DvcTp>	[1..1]	CodeSet		612
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		613
	InputResultData <InptRsltData>	[1..1]			613
	InputCommand <InptCmd>	[1..1]	CodeSet		614
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		615
	FunctionKey <FctnKey>	[0..1]	Quantity		615
	InputMessage <InptMsg>	[0..1]	Text		615
	Password <Pwd>	[0..1]	±		615
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			616
	ImageFormat <ImgFrmt>	[1..1]	Text		616
	ImageData <ImgData>	[0..1]	Binary		616
	ImageReference <ImgRef>	[0..1]	Text		616
	AdditionalInformation <AddtlInf>	[0..1]	Text		616

19.1.2.2.5.2.1 DeviceType <DvcTp>*Presence:* [1..1]*Definition:* Type of Input device.*Datatype:* "SaleCapabilities2Code" on page 972

CodeName	Name	Definition
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

CodeName	Name	Definition
		System (InputCommand data element). The output device attached to this input device is the CashierDisplay device.
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).

19.1.2.2.5.2.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualifies the type of given information.

Datatype: "InformationQualify1Code" on page 945

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.

19.1.2.2.5.2.3 InputResultData <InptRsItData>

Presence: [1..1]

Definition: Data resulting of input after POI or Sale processing.

InputResultData <InptRsltData> contains the following **InputResultData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputCommand <InptCmd>	[1..1]	CodeSet		614
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		615
	FunctionKey <FctnKey>	[0..1]	Quantity		615
	InputMessage <InptMsg>	[0..1]	Text		615
	Password <Pwd>	[0..1]	±		615
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			616
	ImageFormat <ImgFrmt>	[1..1]	Text		616
	ImageData <ImgData>	[0..1]	Binary		616
	ImageReference <ImgRef>	[0..1]	Text		616
	AdditionalInformation <AddtlInf>	[0..1]	Text		616

19.1.2.2.5.2.3.1 InputCommand <InptCmd>

Presence: [1..1]

Definition: Type of processed input.

Datatype: "InputCommand1Code" on page 945

CodeName	Name	Definition
DCSG	DecimalString	Wait for a string of digit characters with a decimal point, the length range could be specified.
DGSG	DigitString	Wait for a string of digit characters.
GAKY	GetAnyKey	Wait for a key pressed on the Terminal, to be able to read the message displayed on the Terminal.
GCNF	GetConfirmation	Wait for a confirmation Yes (Y) or No (N) on the Sale System. Wait for a confirmation (Valid or Cancel button) on the POI Terminal. The result of the command is a Boolean: True or False.
GFKY	GetFunctionKey	Wait for a function key pressed on the Terminal: From POI, Valid, Clear, Correct, Generic Function key number. From Sale, Generic Function key.
GMNE	GetMenuEntry	To choose an entry among a list of entries (all of them are not necessary selectable). The OutputFormat has to be MenuEntry.
PSWD	Password	Request to enter a password with masked characters while typing the password.

CodeName	Name	Definition
SITE	SiteManager	Wait for a confirmation Yes (Y) or No (N) of the Site Manager on the Sale System.
TXSG	TextString	Wait for a string of alphanumeric characters.
HTML	XHTMLText	Wait for a XHTML data.
SIGN	Signature	Request to wait for signature.

19.1.2.2.5.2.3.2 ConfirmedFlag <ConfdFlg>

Presence: [0..1]

Definition: Flag of notification of card to be entered in the POI card reader.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 983):

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

19.1.2.2.5.2.3.3 FunctionKey <FctnKey>

Presence: [0..1]

Definition: The number of the function key which is typed by the Customer on the POI system or the Cashier on the Sale System.

Datatype: "[Number](#)" on page 983

19.1.2.2.5.2.3.4 InputMessage <InptMsg>

Presence: [0..1]

Definition: The input text and data given by the POI or the Sale System.

Datatype: "[Max20000Text](#)" on page 986

19.1.2.2.5.2.3.5 Password <Pwd>

Presence: [0..1]

Definition: An enciphered password typed by the Customer on the POI system or the Cashier on the Sale system.

Password <Pwd> contains the following elements (see "[ContentInformationType30](#)" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		881
	EnvelopedData <EnvlpdData>	[0..1]	±		881
	AuthenticatedData <AuthntcdData>	[0..1]	±		882
	SignedData <SgndData>	[0..1]	±		883
	DigestedData <DgstdData>	[0..1]	±		884

19.1.2.2.5.2.3.6 ImageCapturedSignature <ImgCaptrdSgnt>*Presence:* [0..1]*Definition:* Numeric value of a handwritten signature.**ImageCapturedSignature <ImgCaptrdSgnt>** contains the following **CapturedSignature1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ImageFormat <ImgFrmt>	[1..1]	Text		616
	ImageData <ImgData>	[0..1]	Binary		616
	ImageReference <ImgRef>	[0..1]	Text		616
	AdditionalInformation <AddtlInf>	[0..1]	Text		616

19.1.2.2.5.2.3.6.1 ImageFormat <ImgFrmt>*Presence:* [1..1]*Definition:* Format of the image.*Datatype:* "Max35Text" on page 987**19.1.2.2.5.2.3.6.2 ImageData <ImgData>***Presence:* [0..1]*Definition:* Data of the image.*Datatype:* "Max2MBBinary" on page 916**19.1.2.2.5.2.3.6.3 ImageReference <ImgRef>***Presence:* [0..1]*Definition:* URL or name of the image.*Datatype:* "Max500Text" on page 988**19.1.2.2.5.2.3.6.4 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information for the image.*Datatype:* "Max140Text" on page 985**19.1.2.2.6 PrintResponse <PrtRspn>***Presence:* [0..1]*Definition:* Content of the Print Response message.**PrintResponse <PrtRspn>** contains the following **DevicePrintResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		616

19.1.2.2.6.1 DocumentQualifier <DocQlfr>*Presence:* [1..1]

Definition: Qualification of the document printed to the Cashier or the Customer.

Datatype: "DocumentType7Code" on page 941

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.

19.1.2.2.7 SecureInputResponse <ScripntRspn>

Presence: [0..1]

Definition: Response to a secure input request.

SecureInputResponse <ScripntRspn> contains the following **DeviceSecureInputResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderPIN <CrdhldrPIN>	[0..1]			617
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		618
	PINFormat <PINFrmt>	[1..1]	CodeSet		618
	AdditionalInput <AddtlInpt>	[0..1]	Text		618

19.1.2.2.7.1 CardholderPIN <CrdhldrPIN>

Presence: [0..1]

Definition: Cardholder PIN data when needed.

CardholderPIN <CrdhldrPIN> contains the following **OnLinePIN9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		618
	PINFormat <PINFrmt>	[1..1]	CodeSet		618
	AdditionalInput <AddtlInpt>	[0..1]	Text		618

19.1.2.2.7.1.1 EncryptedPINBlock <NcrptdPINBlck>*Presence:* [1..1]*Definition:* Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see "ContentInformationType32" on page 878 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.2.2.7.1.2 PINFormat <PINFrmt>*Presence:* [1..1]*Definition:* PIN (Personal Identification Number) format before encryption.*Datatype:* "PINFormat3Code" on page 955

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.

19.1.2.2.7.1.3 AdditionalInput <AddtlInpt>*Presence:* [0..1]*Definition:* Additional information required to verify the PIN (Personal Identification Number).*Datatype:* "Max35Text" on page 987**19.1.2.2.8 InitialisationCardReaderResponse <InitlStnCardRdrRspn>***Presence:* [0..1]*Definition:* Content received after a card initialisation.

InitialisationCardReaderResponse <InitlStnCardRdrRspn> contains the following **DeviceInitialisationCardReaderResponse2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		619
	ICCRResetData <ICCRstData>	[0..1]			619
	ATRValue <ATRVa/>	[0..1]	Binary		620
	CardStatus <CardSts>	[0..1]	Binary		620
	AdditionalInformation <AddtlInf>	[0..1]	Binary		620

19.1.2.2.8.1 CardEntryMode <CardNtryMd>

Presence: [0..1]

Definition: Payment instrument entry mode requested by the Sale System.

Datatype: "CardDataReading8Code" on page 932

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.)

19.1.2.2.8.2 ICCResetData <ICCRstData>

Presence: [0..1]

Definition: Data of a Chip Card related to the reset of the chip.

ICCRstData <ICCRstData> contains the following **ICCRstData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ATRValue <ATRVa>	[0..1]	Binary		620
	CardStatus <CardSts>	[0..1]	Binary		620

19.1.2.2.8.2.1 ATRValue <ATRVa>

Presence: [0..1]

Definition: Value of the Answer To Reset of a chip card.

Datatype: "Max140Binary" on page 915

19.1.2.2.8.2.2 CardStatus <CardSts>

Presence: [0..1]

Definition: Status of a smartcard response to a command (SW1-SW2).

Datatype: "Max35Binary" on page 916

19.1.2.2.8.3 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the Device Initialisation Card Reader Response.

Datatype: "Max10000Binary" on page 915

19.1.2.2.9 CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>

Presence: [0..1]

Definition: Content of the Card Reader APDU (Application Protocol Data Unit) response message.

CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn> contains the following **DeviceSendApplicationProtocolDataUnitCardReaderResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Data <Data>	[0..1]	Binary		620
	CardStatus <CardSts>	[1..1]	Binary		620

19.1.2.2.9.1 Data <Data>

Presence: [0..1]

Definition: Class field of the Application Protocol Data Unit command (CLA).

Datatype: "Min1Max256Binary" on page 917

19.1.2.2.9.2 CardStatus <CardSts>

Presence: [1..1]

Definition: Status of a smartcard response to a command (SW1-SW2). Reference: ISO 7816-4.

Datatype: "Min1Max256Binary" on page 917

19.1.2.2.10 TransmissionResponse <TrnsmssnRspn>*Presence:* [0..1]*Definition:* Content of the Transmit Response message.**TransmissionResponse <TrnsmssnRspn>** contains the following **DeviceTransmitMessageResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		621

19.1.2.2.10.1 ReceivedMessage <RcvdMsg>*Presence:* [0..1]*Definition:* Content of a transmitted message.*Datatype:* "Max100KBinary" on page 915**19.1.2.2.11 Response <Rspn>***Presence:* [1..1]*Definition:* Result of the processing of the request.**Response <Rspn>** contains the following elements (see "ResponseType11" on page 820 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

19.1.2.2.12 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 681 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

19.1.3 Address

19.1.3.1 CommunicationAddress9

Definition: Communication information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PostalAddress <PstlAdr>	[0..1]	±		622
	Email <Email>	[0..1]	Text		622
	URLAddress <URLAdr>	[0..1]	Text		623
	Phone <Phne>	[0..1]	Text		623
	CustomerService <CstmrSvc>	[0..1]	Text		623
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		623

19.1.3.1.1 PostalAddress <PstlAdr>

Presence: [0..1]

Definition: Postal address of the entity.

PostalAddress <PstlAdr> contains the following elements (see "[PostalAddress22](#)" on page 851 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		852
	Department <Dept>	[0..1]	Text		852
	SubDepartment <SubDept>	[0..1]	Text		852
	AddressLine <AdrLine>	[0..2]	Text		852
	StreetName <StrtNm>	[0..1]	Text		853
	BuildingNumber <BldgNb>	[0..1]	Text		853
	PostCode <PstCd>	[0..1]	Text		853
	TownName <TwnNm>	[0..1]	Text		853
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		853
	CountryCode <CtryCd>	[0..1]	Text		853

19.1.3.1.2 Email <Email>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: "Max256Text" on page 986

19.1.3.1.3 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 986

19.1.3.1.4 Phone <Phne>

Presence: [0..1]

Definition: Collection of information that identifies a phone number, as defined by telecom services.

Datatype: "PhoneNumber" on page 991

19.1.3.1.5 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer service.

Datatype: "PhoneNumber" on page 991

19.1.3.1.6 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 986

19.1.4 Amount

19.1.4.1 AmountAndDirection93

Definition: Signed amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		623
	Currency <Ccy>	[1..1]	CodeSet	C1	624
	Sign <Sgn>	[0..1]	Indicator		624

19.1.4.1.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.4.1.2 Currency <Ccy>*Presence:* [1..1]*Definition:* Currency associated with the transaction.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

19.1.4.1.3 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 983):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.4.2 InstalmentAmountDetails1*Definition:* Instalment amount details

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		624
	OtherType <OthrTp>	[0..1]	Text		625
	SubType <SubTp>	[0..1]	Text		625
	Amount <Amt>	[0..1]	±		625
	Percentage <Pctg>	[0..1]	Rate		625

19.1.4.2.1 Type <Tp>*Presence:* [0..1]*Definition:* Grace period unit type.*Datatype:* "InstalmentAmountDetailsType1Code" on page 946

CodeName	Name	Definition
TAXX	Tax	Instalment amount tax
RQST	Requested	Requested amount
OTHP	OtherPrivate	Grace period unit type
OTHN	OtherNational	Grace period unit type

CodeName	Name	Definition
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.

19.1.4.2.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Grace period other unit type.

Datatype: "Max35Text" on page 987

19.1.4.2.3 SubType <SubTp>

Presence: [0..1]

Definition: Grace period sub type.

Datatype: "Max35Text" on page 987

19.1.4.2.4 Amount <Amt>

Presence: [0..1]

Definition: Detailed instalment amount.

Amount <Amt> contains the following elements (see "Amount5" on page 625 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		626
	Sign <Sgn>	[0..1]	Indicator		626

19.1.4.2.5 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 984

19.1.4.3 Amount5

Definition: Signed amount in a given numeric currency

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		626
	Sign <Sgn>	[0..1]	Indicator		626

19.1.4.3.1 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.4.3.2 Sign <Sgn>***Presence:* [0..1]*Definition:* Sign of the amount.*Datatype:* One of the following values must be used (see "PlusOrMinusIndicator" on page 983):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.4.4 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		626
	CashBack <CshBck>	[0..1]	Amount		626
	Gratuity <Grtty>	[0..1]	Amount		626
	Fees <Fees>	[0..*]	±		627
	Rebate <Rbt>	[0..*]	±		627
	ValueAddedTax <ValAddedTax>	[0..*]	±		627
	Surcharge <Srchr>	[0..*]	±		627

19.1.4.4.1 AmountGoodsAndServices <AmtGoodsAndSvcs>*Presence:* [0..1]*Definition:* Amount of purchase goods and services without tax.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.4.4.2 CashBack <CshBck>***Presence:* [0..1]*Definition:* Cash-back amount.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.4.4.3 Gratuity <Grtty>***Presence:* [0..1]*Definition:* Gratuity amount.*Datatype:* "ImpliedCurrencyAndAmount" on page 914

19.1.4.4.4 Fees <Fees>*Presence:* [0..*]*Definition:* Fees amount.**Fees <Fees>** contains the following elements (see "[DetailedAmount4](#)" on page 628 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		628
	Label <Labl>	[0..1]	Text		628

19.1.4.4.5 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 628 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		628
	Label <Labl>	[0..1]	Text		628

19.1.4.4.6 ValueAddedTax <ValAddedTax>*Presence:* [0..*]*Definition:* Value added tax amount.**ValueAddedTax <ValAddedTax>** contains the following elements (see "[DetailedAmount4](#)" on page 628 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		628
	Label <Labl>	[0..1]	Text		628

19.1.4.4.7 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 628 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		628
	Label <Labl>	[0..1]	Text		628

19.1.4.5 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		628
	Label <Labl>	[0..1]	Text		628

19.1.4.5.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.4.5.2 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max140Text" on page 985

19.1.5 Card

19.1.5.1 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		628
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		629
	EffectiveDate <FctvDt>	[0..1]	Text		629
	ExpiryDate <XpryDt>	[1..1]	Text		629
	ServiceCode <SvcCd>	[0..1]	Text		629
	Track1 <Trck1>	[0..1]	Text		629
	Track2 <Trck2>	[0..1]	Text		629
	Track3 <Trck3>	[0..1]	Text		629
	CardholderName <CrdhldrNm>	[0..1]	Text		630

19.1.5.1.1 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 990

19.1.5.1.2 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 990

19.1.5.1.3 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 985

19.1.5.1.4 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 985

19.1.5.1.5 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Services attached to the card, as defined in ISO 7813.

Datatype: "Exact3NumericText" on page 984

19.1.5.1.6 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 989

19.1.5.1.7 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 987

19.1.5.1.8 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 985

19.1.5.1.9 CardholderName <CrhdldrNm>*Presence:* [0..1]*Definition:* Name of the cardholder stored on the card.*Datatype:* "Max45Text" on page 988**19.1.6 Card Transaction****19.1.6.1 GracePeriod1***Definition:* Grace period applicable to an instalment plan.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		630
	UnitType <UnitTp>	[1..1]	CodeSet		630
	OtherUnitType <OthrUnitTp>	[0..1]	Text		630

19.1.6.1.1 Time <Tm>*Presence:* [1..1]*Definition:* Grace period time relative to the grace period unit type.*Datatype:* "Max3NumericText" on page 988**19.1.6.1.2 UnitType <UnitTp>***Presence:* [1..1]*Definition:* Grace period unit type.*Datatype:* "GracePeriodUnitType1Code" on page 944

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.

19.1.6.1.3 OtherUnitType <OthrUnitTp>*Presence:* [0..1]*Definition:* Grace period other unit type.*Datatype:* "Max35Text" on page 987**19.1.6.2 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		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltgAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645
	Decimal <Dcml>	[0..1]	Quantity		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UattnddLv/Ctgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			654
	AcceptedByCardholder <AccptdByCrhdldr>	[0..1]	Indicator		656

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <DclrtDtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtTx>	[0..1]	±		663
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrctcdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

19.1.6.2.1 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 983):

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

19.1.6.2.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: "CardPaymentServiceType5Code" on page 936

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.

19.1.6.2.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Service in addition to the main service.

Datatype: "CardPaymentServiceType9Code" on page 937

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.

19.1.6.2.4 ServiceAttribute <SvcAttr>

Presence: [0..1]

Definition: Additional attribute of the service type.

Datatype: "CardPaymentServiceType14Code" on page 936

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.

19.1.6.2.5 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 983):

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

19.1.6.2.6 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 990**19.1.6.2.7 SaleReferenceIdentification <SaleRefId>***Presence:* [0..1]*Definition:* Global reference of the sale transaction for the sale system.*Datatype:* "Max35Text" on page 987**19.1.6.2.8 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

19.1.6.2.9 OriginalTransaction <OrgnlTx>*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		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkupDetails <MrkUpDtls>	[0..*]			646

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647

19.1.6.2.9.1 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 987

19.1.6.2.9.2 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 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

19.1.6.2.9.3 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 671 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		671
	Type <Tp>	[0..1]	CodeSet		671
	Issuer <Issr>	[0..1]	CodeSet		671
	ShortName <ShrtNm>	[0..1]	Text		672

19.1.6.2.9.4 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		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkupDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647

19.1.6.2.9.4.1 Result <Rslt>*Presence:* [1..1]*Definition:* Result of a requested currency conversion.*Datatype:* "CurrencyConversionResponse3Code" on page 940

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.

19.1.6.2.9.4.2 ResultReason <RsltRsn>*Presence:* [0..1]*Definition:* Plain text explaining the result of the currency conversion request.*Datatype:* "Max35Text" on page 987**19.1.6.2.9.4.3 ConversionDetails <ConvsDtls>***Presence:* [0..*]*Definition:* Information about the conversion of currency.

ConversionDetails <ConvDsDtls> contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltgAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtDtls>	[0..*]	±		647

19.1.6.2.9.4.3.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 987

19.1.6.2.9.4.3.2 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	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643

19.1.6.2.9.4.3.2.1 AlphaCode <AlphaCd>*Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

19.1.6.2.9.4.3.2.2 NumericCode <NmrcCd>*Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 984**19.1.6.2.9.4.3.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 983**19.1.6.2.9.4.3.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 987**19.1.6.2.9.4.3.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.9.4.3.4 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 984

19.1.6.2.9.4.3.5 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 984

19.1.6.2.9.4.3.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 981

19.1.6.2.9.4.3.7 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 981

19.1.6.2.9.4.3.8 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	644
	NumericCode <NmrcCd>	[0..1]	Text		645
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645

19.1.6.2.9.4.3.8.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

19.1.6.2.9.4.3.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 984

19.1.6.2.9.4.3.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 983

19.1.6.2.9.4.3.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 987

19.1.6.2.9.4.3.9 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		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646

19.1.6.2.9.4.3.9.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.9.4.3.9.2 MinimumAmount <MinAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.9.4.3.9.3 MaximumAmount <MaxAmt>*Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.6.2.9.4.3.10 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		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646

19.1.6.2.9.4.3.10.1 Amount <Amt>*Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.6.2.9.4.3.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 987**19.1.6.2.9.4.3.11 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		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646

19.1.6.2.9.4.3.11.1 Rate <Rate>*Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 984**19.1.6.2.9.4.3.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

Datatype: "Max350Text" on page 987

19.1.6.2.9.4.3.12 DeclarationDetails <DclrtnDtls>

Presence: [0..*]

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

DeclarationDetails <DclrtnDtls> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.6.2.10 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Unique identification of the Acquirer/Acceptor reconciliation period.

Datatype: "Max35Text" on page 987

19.1.6.2.11 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: "Max140Text" on page 985

19.1.6.2.12 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 985

19.1.6.2.13 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 985

19.1.6.2.14 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	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			654
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltgAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <DclrtDtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtTx>	[0..1]	±		663
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <Saleitm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666

19.1.6.2.14.1 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

19.1.6.2.14.2 TotalAmount <TtlAmt>

Presence: [1..1]

Definition: Total amount of the transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.14.3 CumulativeAmount <CmltvAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.14.4 AmountQualifier <AmtQlfr>

Presence: [0..1]

Definition: Qualifies the amount associated with the transaction.

Datatype: "TypeOfAmount8Code" on page 977

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.

19.1.6.2.14.5 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 626 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		626
	CashBack <CshBck>	[0..1]	Amount		626
	Gratuity <Grtty>	[0..1]	Amount		626
	Fees <Fees>	[0..*]	±		627
	Rebate <Rbt>	[0..*]	±		627
	ValueAddedTax <ValAddedTax>	[0..*]	±		627
	Surcharge <Srchr>	[0..*]	±		627

19.1.6.2.14.6 RequestedAmount <ReqdAmt>

Presence: [0..1]

Definition: Amount requested to be authorised.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.14.7 AuthorisedAmount <AuthrsdAmt>

Presence: [0..1]

Definition: Amount authorised for the payment transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.14.8 InvoiceAmount <InvcAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.14.9 ValidityDate <VldtyDt>

Presence: [0..1]

Definition: Transaction authorisation deadline to complete the related payment.

Datatype: "ISODate" on page 981

19.1.6.2.14.10 OnLineReason <OnLineRsn>

Presence: [0..*]

Definition: Reason to process an online authorisation.

Datatype: "OnLineReason2Code" on page 951

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

19.1.6.2.14.11 UnattendedLevelCategory <UattnddLvIctgy>

Presence: [0..1]

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

Datatype: "Max35NumericText" on page 987

19.1.6.2.14.12 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 931

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.

19.1.6.2.14.13 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		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <DclrtnDtls>	[0..*]	±		662

19.1.6.2.14.13.1 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 983):

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

19.1.6.2.14.13.2 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		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltgAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <DclrtDtls>	[0..*]	±		662

19.1.6.2.14.13.2.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 987

19.1.6.2.14.13.2.2 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	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658

19.1.6.2.14.13.2.2.1 AlphaCode <AlphaCd>*Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

19.1.6.2.14.13.2.2.2 NumericCode <NmrcCd>*Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 984**19.1.6.2.14.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 983**19.1.6.2.14.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.*Datatype:* "Max35Text" on page 987**19.1.6.2.14.13.2.3 ResultingAmount <RsltAmt>***Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.14.13.2.4 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 984

19.1.6.2.14.13.2.5 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 984

19.1.6.2.14.13.2.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODatetime" on page 981

19.1.6.2.14.13.2.7 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODatetime" on page 981

19.1.6.2.14.13.2.8 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	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660

19.1.6.2.14.13.2.8.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

19.1.6.2.14.13.2.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 984

19.1.6.2.14.13.2.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 983

19.1.6.2.14.13.2.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 987

19.1.6.2.14.13.2.9 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		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661

19.1.6.2.14.13.2.9.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.14.13.2.9.2 MinimumAmount <MinAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.6.2.14.13.2.9.3 MaximumAmount <MaxAmt>*Presence:* [0..1]*Definition:* Maximum amount for conversion (in case of range of amounts).*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.6.2.14.13.2.10 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		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661

19.1.6.2.14.13.2.10.1 Amount <Amt>*Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.6.2.14.13.2.10.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 987**19.1.6.2.14.13.2.11 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		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661

19.1.6.2.14.13.2.11.1 Rate <Rate>*Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 984**19.1.6.2.14.13.2.11.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.

Datatype: "Max350Text" on page 987

19.1.6.2.14.13.2.12 DeclarationDetails <DclrtnDtls>

Presence: [0..*]

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

DeclarationDetails <DclrtnDtls> contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCdBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCdVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCdNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCdErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.6.2.14.14 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 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		712
	PlanIdentification <PlanId>	[0..1]	Text		713
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		713
	SequenceNumber <SeqNb>	[0..1]	Quantity		713
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		713
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		714
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		714
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		714
	TotalAmount <TtlAmt>	[0..1]	Amount	C7	714
	FirstAmount <FrstAmt>	[0..1]	Amount		714
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		714
	LastAmount <LastAmt>	[0..1]	Amount		715
	Charges <Chrgs>	[0..1]	Amount		715
	DetailedCharges <DtldChrgs>	[0..*]	±		715
	InterestRate <IntrstRate>	[0..*]			715
	Type <Tp>	[0..1]	CodeSet		715
	OtherType <OthrTp>	[0..1]	Text		716
	Period <Prd>	[1..1]	CodeSet		716
	Rate <Rate>	[1..1]	Rate		716
	GracePeriod <GracePrd>	[0..*]	±		716

19.1.6.2.14.15 AggregationTransaction <AggtnTx>

Presence: [0..1]

Definition: Payment transaction with an aggregated amount.

AggregationTransaction <AggtnTx> contains the following elements (see "AggregationTransaction3" on page 829 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		829
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		829
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		829
	IndividualPayment <IndvPmt>	[0..*]			830
	Amount <Amt>	[1..1]	Amount		830
	DateTime <DtTm>	[1..1]	DateTime		830
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		830
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		831
	Label <Lbl>	[0..1]	Text		831

19.1.6.2.14.16 ProductCodeSetIdentification <PdctCdSetId>

Presence: [0..1]

Definition: Codification used to identify the products.

Datatype: "Max10Text" on page 985

19.1.6.2.14.17 SaleItem <Saleitm>

Presence: [0..*]

Definition: Item purchased with the transaction.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 831 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

19.1.6.2.14.18 DeliveryLocation <DlvryLctn>

Presence: [0..1]

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

Datatype: "Max35Text" on page 987

19.1.6.2.14.19 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 983

19.1.6.2.14.20 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		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrctcdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666

19.1.6.2.14.20.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 985

19.1.6.2.14.20.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 915

19.1.6.2.14.20.3 ProtectedValue <PrctcdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrctcdVal> contains the following elements (see "ContentInformationType30" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		881
	EnvelopedData <EnvlpdData>	[0..1]	±		881
	AuthenticatedData <AuthntcdData>	[0..1]	±		882
	SignedData <SgndData>	[0..1]	±		883
	DigestedData <DgstdData>	[0..1]	±		884

19.1.6.2.14.20.4 Type <Tp>

Presence: [0..1]

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

Datatype: "Max1025Text" on page 985

19.1.6.2.14.21 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application.

Datatype: "Max10000Binary" on page 915

19.1.6.2.15 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]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668

19.1.6.2.15.1 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 678 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		678
	Type <Tp>	[1..1]	CodeSet		678
	Issuer <Issr>	[0..1]	CodeSet		679
	Country <Ctry>	[0..1]	Text		679
	ShortName <ShrtNm>	[0..1]	Text		679

19.1.6.2.15.2 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		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668

19.1.6.2.15.2.1 Response <Rspn>*Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 961

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).

19.1.6.2.15.2.2 ResponseReason <RspnRsn>*Presence:* [0..1]*Definition:* Detailed result of the transaction.*Datatype:* "Max35Text" on page 987**19.1.6.2.15.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 985**19.1.6.2.15.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 989**19.1.6.2.16 MerchantReferenceData <MrchntRefData>***Presence:* [0..1]*Definition:* Merchant information that must be returned unchanged in the response.*Datatype:* "Max70Text" on page 989**19.1.6.2.17 CustomerOrder <CstmrOrd>***Presence:* [0..1]*Definition:* Customer Order processing data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

19.1.6.2.18 CustomerToken <CstmrTkn>

Presence: [0..1]

Definition: Customer payment token information.

CustomerToken <CstmrTkn> contains the following elements (see "[CardPaymentToken5](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		912
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		912
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		912
	TokenCharacteristic <TknChrtc>	[0..*]	Text		913
	TokenRequestor <TknRqstr>	[0..1]			913
	ProviderIdentification <PrvdId>	[1..1]	Text		913
	RequestorIdentification <RqstrId>	[1..1]	Text		913
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		913
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		913
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		913
	TokenInitiatedIndicator <TknInittlInd>	[0..1]	Indicator		914

19.1.6.2.19 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 983):

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

19.1.6.2.20 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 987

19.1.6.2.21 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 987

19.1.6.2.22 SaleToPOIData <SaleToPOIData>

Presence: [0..1]

Definition: The POI System receives this information.

Datatype: ["Max70Text"](#) on page 989

19.1.6.2.23 SaleToAcquirerData <SaleToAcqrrData>

Presence: [0..1]

Definition: Sale information intended for the Acquirer.

Datatype: ["Max70Text"](#) on page 989

19.1.6.2.24 SaleToIssuerData <SaleToIssrData>

Presence: [0..1]

Definition: Sale information intended for the Issuer.

Datatype: ["Max70Text"](#) on page 989

19.1.6.2.25 AdditionalTransactionData <AddtlTxData>

Presence: [0..*]

Definition: Additional information related to the transaction.

Datatype: ["Max70Text"](#) on page 989

19.1.7 Identification Information

19.1.7.1 GenericIdentification32

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		671
	Type <Tp>	[0..1]	CodeSet		671
	Issuer <Issr>	[0..1]	CodeSet		671
	ShortName <ShrtNm>	[0..1]	Text		672

19.1.7.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 987

19.1.7.1.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType3Code" on page 954

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	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

19.1.7.1.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType4Code" on page 954

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.

19.1.7.1.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 987

19.1.7.2 GenericIdentification177

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

19.1.7.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 987

19.1.7.2.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType33Code" on page 953

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.

19.1.7.2.3 Issuer <lssr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType33Code" on page 953

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.
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.

19.1.7.2.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 990

19.1.7.2.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 987

19.1.7.2.6 RemoteAccess <RmotAccs>

Presence: [0..1]

Definition: Access information to reach the target host.

RemoteAccess <RmotAccs> contains the following elements (see "NetworkParameters7" on page 849 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			850
	NetworkType <NtwkTp>	[1..1]	CodeSet		850
	AddressValue <AdrVal>	[1..1]	Text		850
	UserName <UsrNm>	[0..1]	Text		850
	AccessCode <AccsCd>	[0..1]	Binary		851
	ServerCertificate <SvrCert>	[0..*]	Binary		851
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		851
	ClientCertificate <CIntCert>	[0..*]	Binary		851
	SecurityProfile <SctyPrfl>	[0..1]	Text		851

19.1.7.2.7 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]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

19.1.7.2.7.1 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		675
	Longitude <Long>	[1..1]	Text		675

19.1.7.2.7.1.1 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 987

19.1.7.2.7.1.2 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 987

19.1.7.2.7.2 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		676
	UTMEastward <UTMEstwr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwr>	[1..1]	Text		676

19.1.7.2.7.2.1 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 987

19.1.7.2.7.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 987

19.1.7.2.7.2.3 UTMNorthward <UTMNrthwr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 987

19.1.7.3 GenericIdentification176

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		676
	Type <Tp>	[0..1]	CodeSet		677
	Issuer <Issr>	[0..1]	CodeSet		677
	Country <Ctry>	[0..1]	Text		678
	ShortName <ShrtNm>	[0..1]	Text		678

19.1.7.3.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 987

19.1.7.3.2 Type <Tp>*Presence:* [0..1]*Definition:* Type of identified entity.*Datatype:* "PartyType33Code" on page 953

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.

19.1.7.3.3 Issuer <Issr>*Presence:* [0..1]*Definition:* Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).*Datatype:* "PartyType33Code" on page 953

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.

19.1.7.3.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 990

19.1.7.3.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 987

19.1.7.4 GenericIdentification90

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		678
	Type <Tp>	[1..1]	CodeSet		678
	Issuer <Issr>	[0..1]	CodeSet		679
	Country <Ctry>	[0..1]	Text		679
	ShortName <ShrtNm>	[0..1]	Text		679

19.1.7.4.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 987

19.1.7.4.2 Type <Tp>

Presence: [1..1]

Definition: Type of identified entity.

Datatype: "PartyType14Code" on page 953

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.

19.1.7.4.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType4Code" on page 954

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.

19.1.7.4.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 990

19.1.7.4.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 987

19.1.7.5 GenericIdentification36

Definition: Identification using a proprietary scheme.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		680
	Issuer <Issr>	[1..1]	Text		680
	SchemeName <SchmeNm>	[0..1]	Text		680

19.1.7.5.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 987

19.1.7.5.2 Issuer <Issr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 987

19.1.7.5.3 SchemeName <SchmeNm>

Presence: [0..1]

Definition: Short textual description of the scheme.

Datatype: "Max35Text" on page 987

19.1.7.6 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		680
	IdentificationType <IdTp>	[1..1]	Text		680

19.1.7.6.1 Identification <Id>

Presence: [1..1]

Definition: Identifier issued to a person for which no specific identifier has been defined.

Datatype: "Max35Text" on page 987

19.1.7.6.2 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 987

19.1.8 Miscellaneous

19.1.8.1 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		681
	Envelope <Envlp>	[1..1]	(External Schema)		681

Constraints

- **SupplementaryDataRule**

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

19.1.8.1.1 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 987

19.1.8.1.2 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.

19.1.8.2 RetailerPaymentResult4

Definition: Payment Data Results.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		684
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		685
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		685
	RequestedTransaction <ReqdTxx>	[0..1]	±		686
	TransactionResponse <TxRspn>	[0..1]			690
	AuthorisationResult <AuthstnRslt>	[1..1]			693
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		693
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			693
	Response <Rspn>	[1..1]	CodeSet		694
	ResponseReason <RspnRsn>	[0..1]	Text		694
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		694
	AuthorisationCode <AuthstnCd>	[0..1]	Text		694
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		694
	TMSTrigger <TMSTrggr>	[0..1]			695
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		695
	TMSIdentification <TMSId>	[0..1]	Text		695
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		695
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			695
	Method <Mtd>	[1..1]	CodeSet		696
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		697
	Result <Rslt>	[0..1]	CodeSet		697
	AdditionalResult <AddtlRslt>	[0..1]	Text		697
	AllowedProductCode <AllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		699
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		699

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountLimit <AmtLmt>	[0..1]	Amount		699
	QuantityLimit <QtyLmt>	[0..1]	Quantity		699
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		699
	Balance <Bal>	[0..1]	±		701
	ProtectedBalance <PrctcdBal>	[0..1]	±		701
	Action <Actn>	[0..*]			702
	ActionType <ActnTp>	[1..1]	CodeSet		702
	MessageToPresent <MsgToPres>	[0..1]	±		703
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			703
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		704
	TargetCurrency <TrgtCcy>	[1..1]			705
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	705
	NumericCode <NmrcCd>	[1..1]	Text		705
	Decimal <Dcml>	[1..1]	Quantity		705
	Name <Nm>	[0..1]	Text		705
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		706
	ExchangeRate <XchgRate>	[1..1]	Rate		706
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		706
	QuotationDate <QtnDt>	[0..1]	DateTime		706
	ValidUntil <VldUntil>	[0..1]	DateTime		706
	SourceCurrency <SrcCcy>	[1..1]			706
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	706
	NumericCode <NmrcCd>	[0..1]	Text		707
	Decimal <Dcml>	[0..1]	Quantity		707
	Name <Nm>	[0..1]	Text		707
	OriginalAmount <OrgnlAmt>	[1..1]			707
	ActualAmount <ActlAmt>	[0..1]	Amount		707
	MinimumAmount <MinAmt>	[0..1]	Amount		707
	MaximumAmount <MaxAmt>	[0..1]	Amount		708
	CommissionDetails <ComssnDtls>	[0..*]			708
	Amount <Amt>	[1..1]	Amount		708

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalInformation <AddtlInf>	[0..1]	Text		708
	MarkUpDetails <MrkUpDtls>	[0..*]			708
	Rate <Rate>	[1..1]	Rate		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		709
	DeclarationDetails <DclrtnDtls>	[0..*]	±		709
	CustomerOrder <CstmrOrd>	[0..*]	±		709
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			710
	ImageFormat <ImgFrmt>	[1..1]	Text		710
	ImageData <ImgData>	[0..1]	Binary		710
	ImageReference <ImgRef>	[0..1]	Text		711
	AdditionalInformation <AddtlInf>	[0..1]	Text		711
	ProtectedCapturedSignature <PrctcdCaptrdSgntr>	[0..1]	±		711
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		711
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	711
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		711

19.1.8.2.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of payment transaction.

Datatype: "CardPaymentServiceType12Code" on page 934

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.

19.1.8.2.2 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Service provided by the card payment transaction, in addition to the main service.

Datatype: "CardPaymentServiceType9Code" on page 937

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.

19.1.8.2.3 ServiceAttribute <SvcAttr>

Presence: [0..1]

Definition: Additional attribute of the service type.

Datatype: "CardPaymentServiceType14Code" on page 936

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.

19.1.8.2.4 RequestedTransaction <ReqdTxx>

Presence: [0..1]

Definition: Data associated with the Transaction.

RequestedTransaction <ReqdTxx> contains the following elements (see "CardPaymentTransaction120" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		634
	TransactionType <TxTp>	[1..1]	CodeSet		635
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		635
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		636
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		636
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		637
	TransactionIdentification <TxId>	[1..1]	±		637
	OriginalTransaction <OrgnlTx>	[0..1]			637
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		639
	TransactionIdentification <TxId>	[1..1]	±		639
	POIIdentification <POIID>	[1..1]	±		639
	CurrencyConversion <CcyConvs>	[0..1]			639
	Result <Rslt>	[1..1]	CodeSet		641
	ResultReason <RsltRsn>	[0..1]	Text		641
	ConversionDetails <ConvsDtls>	[0..*]			641
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		642
	TargetCurrency <TrgtCcy>	[1..1]			643
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	643
	NumericCode <NmrcCd>	[1..1]	Text		643
	Decimal <Dcml>	[1..1]	Quantity		643
	Name <Nm>	[0..1]	Text		643
	ResultingAmount <RsltAmt>	[1..1]	Amount		643
	ExchangeRate <XchgRate>	[1..1]	Rate		644
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		644
	QuotationDate <QtnDt>	[0..1]	DateTime		644
	ValidUntil <VldUntil>	[0..1]	DateTime		644
	SourceCurrency <SrcCcy>	[1..1]			644
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	644
	NumericCode <NmrcCd>	[0..1]	Text		645

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		645
	Name <Nm>	[0..1]	Text		645
	OriginalAmount <OrgnlAmt>	[1..1]			645
	ActualAmount <ActlAmt>	[0..1]	Amount		645
	MinimumAmount <MinAmt>	[0..1]	Amount		645
	MaximumAmount <MaxAmt>	[0..1]	Amount		646
	CommissionDetails <ComssnDtls>	[0..*]			646
	Amount <Amt>	[1..1]	Amount		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	MarkUpDetails <MrkUpDtls>	[0..*]			646
	Rate <Rate>	[1..1]	Rate		646
	AdditionalInformation <AddtlInf>	[0..1]	Text		646
	DeclarationDetails <DclrtnDtls>	[0..*]	±		647
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		647
	IssuerReferenceData <IssrRefData>	[0..1]	Text		647
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		647
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		648
	TransactionDetails <TxDtls>	[1..1]			648
	Currency <Ccy>	[0..1]	CodeSet	C1	650
	TotalAmount <TtlAmt>	[1..1]	Amount		651
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		651
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		651
	DetailedAmount <DtldAmt>	[0..1]	±		651
	RequestedAmount <ReqdAmt>	[0..1]	Amount		652
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		652
	InvoiceAmount <InvcAmt>	[0..1]	Amount		652
	ValidityDate <VldtyDt>	[0..1]	Date		652
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		652
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		653
	AccountType <AcctTp>	[0..1]	CodeSet		653
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		656
	Conversion <Convs>	[0..1]			656
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		657
	TargetCurrency <TrgtCcy>	[1..1]			658
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	658
	NumericCode <NmrcCd>	[1..1]	Text		658
	Decimal <Dcml>	[1..1]	Quantity		658
	Name <Nm>	[0..1]	Text		658
	ResultingAmount <RsltAmt>	[1..1]	Amount		658
	ExchangeRate <XchgRate>	[1..1]	Rate		659
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		659
	QuotationDate <QtnDt>	[0..1]	DateTime		659
	ValidUntil <VldUntil>	[0..1]	DateTime		659
	SourceCurrency <SrcCcy>	[1..1]			659
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	659
	NumericCode <NmrcCd>	[0..1]	Text		660
	Decimal <Dcml>	[0..1]	Quantity		660
	Name <Nm>	[0..1]	Text		660
	OriginalAmount <OrgnlAmt>	[1..1]			660
	ActualAmount <ActlAmt>	[0..1]	Amount		660
	MinimumAmount <MinAmt>	[0..1]	Amount		660
	MaximumAmount <MaxAmt>	[0..1]	Amount		661
	CommissionDetails <ComssnDtls>	[0..*]			661
	Amount <Amt>	[1..1]	Amount		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	MarkUpDetails <MrkUpDtls>	[0..*]			661
	Rate <Rate>	[1..1]	Rate		661
	AdditionalInformation <AddtlInf>	[0..1]	Text		661
	DeclarationDetails <Dclrtndtls>	[0..*]	±		662
	Instalment <Instlmt>	[0..*]	±		662
	AggregationTransaction <AggtnTx>	[0..1]	±		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		664
	SaleItem <SaleItm>	[0..*]	±		664
	DeliveryLocation <DlvryLctn>	[0..1]	Text		665
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		665
	AdditionalInformation <AddtlInf>	[0..*]			665
	Identification <Id>	[1..1]	Text		666
	Value <Val>	[0..1]	Binary		666
	ProtectedValue <PrtctdVal>	[0..1]	±		666
	Type <Tp>	[0..1]	Text		666
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		666
	AuthorisationResult <AuthstnRslt>	[0..1]			667
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		667
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			667
	Response <Rspn>	[1..1]	CodeSet		668
	ResponseReason <RspnRsn>	[0..1]	Text		668
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		668
	AuthorisationCode <AuthstnCd>	[0..1]	Text		668
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		668
	CustomerOrder <CstmrOrd>	[0..1]	±		668
	CustomerToken <CstmrTkn>	[0..1]	±		669
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		670
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		670
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		670
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		670
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		670
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		670
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		670

19.1.8.2.5 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]			693
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		693
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			693
	Response <Rspn>	[1..1]	CodeSet		694
	ResponseReason <RspnRsn>	[0..1]	Text		694
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		694
	AuthorisationCode <AuthstnCd>	[0..1]	Text		694
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		694
	TMSTrigger <TMSTrggr>	[0..1]			695
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		695
	TMSIdentification <TMSId>	[0..1]	Text		695
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		695
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			695
	Method <Mtd>	[1..1]	CodeSet		696
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		697
	Result <Rslt>	[0..1]	CodeSet		697
	AdditionalResult <AddtlRslt>	[0..1]	Text		697
	AllowedProductCode <AllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			698
	ProductCode <PdctCd>	[1..1]	Text		699
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		699
	AmountLimit <AmtLmt>	[0..1]	Amount		699
	QuantityLimit <QtyLmt>	[0..1]	Quantity		699
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		699
	Balance <Bal>	[0..1]	±		701
	ProtectedBalance <PrctdBal>	[0..1]	±		701

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Action <Actn>	[0..*]			702
	ActionType <ActnTp>	[1..1]	CodeSet		702
	MessageToPresent <MsgToPres>	[0..1]	±		703
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			703
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		704
	TargetCurrency <TrgtCcy>	[1..1]			705
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	705
	NumericCode <NmrcCd>	[1..1]	Text		705
	Decimal <Dcml>	[1..1]	Quantity		705
	Name <Nm>	[0..1]	Text		705
	ResultingAmount <RsltgAmt>	[1..1]	Amount		706
	ExchangeRate <XchgRate>	[1..1]	Rate		706
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		706
	QuotationDate <QtnDt>	[0..1]	DateTime		706
	ValidUntil <VldUntil>	[0..1]	DateTime		706
	SourceCurrency <SrcCcy>	[1..1]			706
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	706
	NumericCode <NmrcCd>	[0..1]	Text		707
	Decimal <Dcml>	[0..1]	Quantity		707
	Name <Nm>	[0..1]	Text		707
	OriginalAmount <OrgnlAmt>	[1..1]			707
	ActualAmount <ActlAmt>	[0..1]	Amount		707
	MinimumAmount <MinAmt>	[0..1]	Amount		707
	MaximumAmount <MaxAmt>	[0..1]	Amount		708
	CommissionDetails <ComssnDtls>	[0..*]			708
	Amount <Amt>	[1..1]	Amount		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		708
	MarkUpDetails <MrkUpDtls>	[0..*]			708
	Rate <Rate>	[1..1]	Rate		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		709
	DeclarationDetails <DclrtnDtls>	[0..*]	±		709

19.1.8.2.5.1 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]	±		693
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			693
	Response <Rspn>	[1..1]	CodeSet		694
	ResponseReason <RspnRsn>	[0..1]	Text		694
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		694
	AuthorisationCode <AuthstnCd>	[0..1]	Text		694
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		694
	TMSTrigger <TMSTrggr>	[0..1]			695
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		695
	TMSIdentification <TMSId>	[0..1]	Text		695
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		695

19.1.8.2.5.1.1 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 678 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		678
	Type <Tp>	[1..1]	CodeSet		678
	Issuer <Issr>	[0..1]	CodeSet		679
	Country <Ctry>	[0..1]	Text		679
	ShortName <ShrtNm>	[0..1]	Text		679

19.1.8.2.5.1.2 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		694
	ResponseReason <RspnRsn>	[0..1]	Text		694
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		694

19.1.8.2.5.1.2.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the transaction.

Datatype: "Response9Code" on page 961

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).

19.1.8.2.5.1.2.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detailed result of the transaction.

Datatype: "Max35Text" on page 987

19.1.8.2.5.1.2.3 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information on the response for further examination.

Datatype: "Max140Text" on page 985

19.1.8.2.5.1.3 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 989

19.1.8.2.5.1.4 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 983):

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

19.1.8.2.5.1.5 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		695
	TMSIdentification <TMSId>	[0..1]	Text		695
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		695

19.1.8.2.5.1.5.1 TMSContactLevel <TMSCtctLvl>

Presence: [1..1]

Definition: Level of urgency in contacting the maintenance.

Datatype: "TMSContactLevel1Code" on page 975

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.

19.1.8.2.5.1.5.2 TMSIdentification <TMSId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 987

19.1.8.2.5.1.5.3 TMSContactDateTime <TMSCtctDtTm>

Presence: [0..1]

Definition: Date and time for calling the maintenance.

Datatype: "ISODateTime" on page 981

19.1.8.2.5.2 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		696
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		697
	Result <RsIt>	[0..1]	CodeSet		697
	AdditionalResult <AddtlRsIt>	[0..1]	Text		697

19.1.8.2.5.2.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod6Code" on page 927

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.

19.1.8.2.5.2.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 927

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.

19.1.8.2.5.2.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 980

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.

19.1.8.2.5.2.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 988

19.1.8.2.5.3 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		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698

19.1.8.2.5.3.1 ProductCode <PdctCd>*Presence:* [1..1]*Definition:* Product code.*Datatype:* "Max70Text" on page 989**19.1.8.2.5.3.2 AdditionalProductCode <AddtlPdctCd>***Presence:* [0..1]*Definition:* Additional product code related to the product.*Datatype:* "Max70Text" on page 989**19.1.8.2.5.4 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		698
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		698

19.1.8.2.5.4.1 ProductCode <PdctCd>*Presence:* [1..1]*Definition:* Product code.*Datatype:* "Max70Text" on page 989**19.1.8.2.5.4.2 AdditionalProductCode <AddtlPdctCd>***Presence:* [0..1]*Definition:* Additional product code related to the product.*Datatype:* "Max70Text" on page 989**19.1.8.2.5.5 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		699
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		699
	AmountLimit <AmtLmt>	[0..1]	Amount		699
	QuantityLimit <QtyLmt>	[0..1]	Quantity		699
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		699

19.1.8.2.5.5.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 989

19.1.8.2.5.5.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 989

19.1.8.2.5.5.3 AmountLimit <AmtLmt>

Presence: [0..1]

Definition: Amount limit for the product.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.2.5.5.4 QuantityLimit <QtyLmt>

Presence: [0..1]

Definition: Quantity limit for the product.

Datatype: "DecimalNumber" on page 983

19.1.8.2.5.5.5 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure6Code" on page 978

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.

19.1.8.2.5.6 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 623 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		623
	Currency <Ccy>	[1..1]	CodeSet	C1	624
	Sign <Sgn>	[0..1]	Indicator		624

19.1.8.2.5.7 ProtectedBalance <PrctcdBal>

Presence: [0..1]

Definition: Encrypted balance of the account.

ProtectedBalance <PrctcdBal> contains the following elements (see "[ContentInformationType32](#)" on page 878 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.8.2.5.8 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		702
	MessageToPresent <MsgToPres>	[0..1]	±		703

19.1.8.2.5.8.1 ActionType <ActnTp>*Presence:* [1..1]*Definition:* Type of action to be performed by the POI (Point Of Interaction) system.*Datatype:* "ActionType12Code" on page 917

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.

19.1.8.2.5.8.2 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 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrCdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrCdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.8.2.5.9 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		704
	TargetCurrency <TrgtCcy>	[1..1]			705
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	705
	NumericCode <NmrcCd>	[1..1]	Text		705
	Decimal <Dcml>	[1..1]	Quantity		705
	Name <Nm>	[0..1]	Text		705
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		706
	ExchangeRate <XchgRate>	[1..1]	Rate		706
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		706
	QuotationDate <QtnDt>	[0..1]	DateTime		706
	ValidUntil <VldUntil>	[0..1]	DateTime		706
	SourceCurrency <SrcCcy>	[1..1]			706
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	706
	NumericCode <NmrcCd>	[0..1]	Text		707
	Decimal <Dcml>	[0..1]	Quantity		707
	Name <Nm>	[0..1]	Text		707
	OriginalAmount <OrgnlAmt>	[1..1]			707
	ActualAmount <ActlAmt>	[0..1]	Amount		707
	MinimumAmount <MinAmt>	[0..1]	Amount		707
	MaximumAmount <MaxAmt>	[0..1]	Amount		708
	CommissionDetails <ComssnDtls>	[0..*]			708
	Amount <Amt>	[1..1]	Amount		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		708
	MarkUpDetails <MrkUpDtls>	[0..*]			708
	Rate <Rate>	[1..1]	Rate		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		709
	DeclarationDetails <Dclrtndtls>	[0..*]	±		709

19.1.8.2.5.9.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 987

19.1.8.2.5.9.2 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	705
	NumericCode <NmrcCd>	[1..1]	Text		705
	Decimal <Dcml>	[1..1]	Quantity		705
	Name <Nm>	[0..1]	Text		705

19.1.8.2.5.9.2.1 AlphaCode <AlphaCd>

Presence: [1..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

19.1.8.2.5.9.2.2 NumericCode <NmrcCd>

Presence: [1..1]

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

Datatype: "Exact3NumericText" on page 984

19.1.8.2.5.9.2.3 Decimal <Dcml>

Presence: [1..1]

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

Datatype: "Number" on page 983

19.1.8.2.5.9.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 987

19.1.8.2.5.9.3 ResultingAmount <RsltgAmt>*Presence:* [1..1]*Definition:* Amount converted in the target currency, including additional charges.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.8.2.5.9.4 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 984**19.1.8.2.5.9.5 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 984**19.1.8.2.5.9.6 QuotationDate <QtnDt>***Presence:* [0..1]*Definition:* Date and time at which the exchange rate has been quoted.*Datatype:* "ISODateTime" on page 981**19.1.8.2.5.9.7 ValidUntil <VldUntil>***Presence:* [0..1]*Definition:* Validity limit of the exchange rate.*Datatype:* "ISODateTime" on page 981**19.1.8.2.5.9.8 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	706
	NumericCode <NmrcCd>	[0..1]	Text		707
	Decimal <Dcml>	[0..1]	Quantity		707
	Name <Nm>	[0..1]	Text		707

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

19.1.8.2.5.9.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 984

19.1.8.2.5.9.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 983

19.1.8.2.5.9.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 987

19.1.8.2.5.9.9 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		707
	MinimumAmount <MinAmt>	[0..1]	Amount		707
	MaximumAmount <MaxAmt>	[0..1]	Amount		708

19.1.8.2.5.9.9.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.2.5.9.9.2 MinimumAmount <MinAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.2.5.9.9.3 MaximumAmount <MaxAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.2.5.9.10 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		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		708

19.1.8.2.5.9.10.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.2.5.9.10.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: "Max350Text" on page 987

19.1.8.2.5.9.11 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		708
	AdditionalInformation <AddtlInf>	[0..1]	Text		709

19.1.8.2.5.9.11.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: "PercentageRate" on page 984

19.1.8.2.5.9.11.2 AdditionalInformation <AddtlInf>*Presence:* [0..1]*Definition:* Additional information about the type of markup.*Datatype:* "Max350Text" on page 987**19.1.8.2.5.9.12 DeclarationDetails <Dclrtndtls>***Presence:* [0..*]*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.**DeclarationDetails <Dclrtndtls>** contains the following elements (see "ActionMessage9" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.8.2.6 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 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

19.1.8.2.7 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		710
	ImageData <ImgData>	[0..1]	Binary		710
	ImageReference <ImgRef>	[0..1]	Text		711
	AdditionalInformation <AddtlInf>	[0..1]	Text		711

19.1.8.2.7.1 ImageFormat <ImgFrmt>

Presence: [1..1]

Definition: Format of the image.

Datatype: "[Max35Text](#)" on page 987

19.1.8.2.7.2 ImageData <ImgData>

Presence: [0..1]

Definition: Data of the image.

Datatype: "[Max2MBBinary](#)" on page 916

19.1.8.2.7.3 ImageReference <ImgRef>*Presence:* [0..1]*Definition:* URL or name of the image.*Datatype:* "Max500Text" on page 988**19.1.8.2.7.4 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information for the image.*Datatype:* "Max140Text" on page 985**19.1.8.2.8 ProtectedCapturedSignature <PrctcdCaptrdSgntr>***Presence:* [0..1]*Definition:* Protected value of a handwritten signature.**ProtectedCapturedSignature <PrctcdCaptrdSgntr>** contains the following elements (see "ContentInformationType32" on page 878 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.8.2.9 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 983):

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

19.1.8.2.10 CustomerLanguage <CstmrLang>*Presence:* [0..1]*Definition:* Language used to display messages to the customer.*Impacted by:* C6 "ValidationByTable"*Datatype:* "LanguageCode" on page 948**Constraints**

- **ValidationByTable**
Must be a valid terrestrial language.

19.1.8.2.11 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 983):

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

19.1.8.3 RecurringTransaction4

Definition: Financial loan (instalment) or a recurring transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		712
	PlanIdentification <PlanId>	[0..1]	Text		713
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		713
	SequenceNumber <SeqNb>	[0..1]	Quantity		713
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		713
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		714
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		714
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		714
	TotalAmount <TtlAmt>	[0..1]	Amount	C7	714
	FirstAmount <FrstAmt>	[0..1]	Amount		714
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		714
	LastAmount <LastAmt>	[0..1]	Amount		715
	Charges <Chrgs>	[0..1]	Amount		715
	DetailedCharges <DtldChrgs>	[0..*]	±		715
	InterestRate <IntrstRate>	[0..*]			715
	Type <Tp>	[0..1]	CodeSet		715
	OtherType <OthrTp>	[0..1]	Text		716
	Period <Prd>	[1..1]	CodeSet		716
	Rate <Rate>	[1..1]	Rate		716
	GracePeriod <GracePrd>	[0..*]	±		716

19.1.8.3.1 InstalmentPlan <InstlmtPlan>

Presence: [0..*]

Definition: Type of instalment plan.

Datatype: "InstalmentPlan1Code" on page 947

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.

19.1.8.3.2 PlanIdentification <PlanId>

Presence: [0..1]

Definition: Identification of the instalment plan.

Datatype: "Max35Text" on page 987

19.1.8.3.3 PlanOwner <PlanOwnr>

Presence: [0..1]

Definition: Type of the Plan Owner.

Datatype: "PlanOwner1Code" on page 956

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.

19.1.8.3.4 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 983

19.1.8.3.5 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period unit between consecutive payments (for example day, month, year).

Datatype: "Frequency3Code" on page 944

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.

19.1.8.3.6 InstalmentPeriod <InstlmtPrd>*Presence:* [0..1]*Definition:* Number of period units between consecutive payments.*Datatype:* "Number" on page 983**19.1.8.3.7 TotalNumberOfPayments <TtlNbOfPmts>***Presence:* [0..1]*Definition:* Total number of instalment payments.*Datatype:* "Number" on page 983**19.1.8.3.8 FirstPaymentDate <FrstPmtDt>***Presence:* [0..1]*Definition:* Date of the first payment.*Datatype:* "ISODate" on page 981**19.1.8.3.9 TotalAmount <TtlAmt>***Presence:* [0..1]*Definition:* Cumulative amount of all the instalments.*Impacted by:* C7 "ValidationByTable"*Datatype:* "CurrencyAndAmount" on page 914**Constraints**

- **ValidationByTable**

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

19.1.8.3.10 FirstAmount <FrstAmt>*Presence:* [0..1]*Definition:* Amount of the first payment.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.8.3.11 SubsequentAmount <SbsqntAmt>***Presence:* [0..1]*Definition:* Amount of subsequent payments but the first one.*Datatype:* "ImpliedCurrencyAndAmount" on page 914

19.1.8.3.12 LastAmount <LastAmt>*Presence:* [0..1]*Definition:* Amount of the last payment.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.8.3.13 Charges <Chrgs>***Presence:* [0..1]*Definition:* Charges related to the transaction.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.8.3.14 DetailedCharges <DtldChrgs>***Presence:* [0..*]*Definition:* Contains the charge details of an instalment plan.**DetailedCharges <DtldChrgs>** contains the following elements (see "InstalmentAmountDetails1" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		624
	OtherType <OthrTp>	[0..1]	Text		625
	SubType <SubTp>	[0..1]	Text		625
	Amount <Amt>	[0..1]	±		625
	Percentage <Pctg>	[0..1]	Rate		625

19.1.8.3.15 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		715
	OtherType <OthrTp>	[0..1]	Text		716
	Period <Prd>	[1..1]	CodeSet		716
	Rate <Rate>	[1..1]	Rate		716

19.1.8.3.15.1 Type <Tp>*Presence:* [0..1]*Definition:* Interest rate applicable to the instalment.*Datatype:* "InterestRate1Code" on page 947

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

19.1.8.3.15.2 OtherType <OthrTp>*Presence:* [0..1]*Definition:* Other type of interest applied to the instalment, when Type is OtherNational or OtherPrivate.*Datatype:* "Max35Text" on page 987**19.1.8.3.15.3 Period <Prd>***Presence:* [1..1]*Definition:* Contains instalment period*Datatype:* "InstalmentPeriod1Code" on page 946

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

19.1.8.3.15.4 Rate <Rate>*Presence:* [1..1]*Definition:* Rate expressed as a decimal, example, 0.7 is 7/10 and 70%.*Datatype:* "BaseOneRate" on page 984**19.1.8.3.16 GracePeriod <GracePrd>***Presence:* [0..*]*Definition:* Contains grace period details.**GracePeriod <GracePrd>** contains the following elements (see "GracePeriod1" on page 630 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		630
	UnitType <UnitTp>	[1..1]	CodeSet		630
	OtherUnitType <OthrUnitTp>	[0..1]	Text		630

19.1.8.4 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		717
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		717
	RequiredSignatureFlag <ReqrdsGntrFlg>	[0..1]	Indicator		717
	OutputContent <OutptCntt>	[1..1]	±		718

19.1.8.4.1 DocumentQualifier <DocQlfr>

Presence: [1..1]

Definition: Qualification of the document to print to the Cashier or the Customer.

Datatype: "DocumentType7Code" on page 941

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.

19.1.8.4.2 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 983):

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

19.1.8.4.3 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 983):

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

19.1.8.4.4 OutputContent <OutptCntt>

Presence: [1..1]

Definition: Document to print.

OutputContent <OutptCntt> contains the following elements (see "[ActionMessage9](#)" on page 798 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstrn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrcdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.8.5 LoyaltyAccount3

Definition: Loyalty Account description.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

19.1.8.5.1 LoyaltyIdentification <Ltyld>

Presence: [1..1]

Definition: Identification of Loyalty Account.

Datatype: "Max35Text" on page 987

19.1.8.5.2 EntryMode <NtryMd>

Presence: [0..1]

Definition: Standard or last entry mode to access the Loyalty account or card.

Datatype: "CardDataReading8Code" on page 932

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.)

19.1.8.5.3 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Loyalty Account.

Datatype: "CardIdentificationType1Code" on page 934

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.

19.1.8.5.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 987

19.1.8.5.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Loyalty Account.

Datatype: "Max35Text" on page 987

19.1.8.5.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 988

19.1.8.5.7 Unit <Unit>

Presence: [0..1]

Definition: Unit of a Loyalty Account (Point or Currency).

Datatype: "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

19.1.8.5.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of a Loyalty Account if any.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

19.1.8.5.9 Balance <Bal>

Presence: [0..1]

Definition: Balance of a Loyalty Account.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.6 DataSetIdentification9

Definition: Identification of a data set.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		721
	Type <Tp>	[1..1]	CodeSet		721
	Version <Vrsn>	[0..1]	Text		723
	CreationDateTime <CreDtTm>	[0..1]	DateTime		723

19.1.8.6.1 Name <Nm>

Presence: [0..1]

Definition: Name of the data set.

Datatype: "Max256Text" on page 986

19.1.8.6.2 Type <Tp>

Presence: [1..1]

Definition: Category of data set.

Datatype: "DataSetCategory17Code" on page 940

CodeName	Name	Definition
AQPR	AcquirerParameters	Acquirer specific configuration parameters for the point of interaction (POI) system.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
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.
DLGT	DelegationData	Data needed to create a terminal management sub-domain.
MGTP	ManagementPlan	Configuration of management plan in the point of interaction.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).
SCPR	SecurityParameters	Point of interaction parameters related to the security of software application and application protocol.
SWPK	SoftwareModule	Software module.
STRP	StatusReport	Report of software configuration and parameter status.
TRPR	TerminalParameters	Point of interaction parameters attached to the terminal as serial number or physical capabilities.
VDPR	VendorParameters	Point of interaction parameters defined by the manufacturer for instance the PIN verification capabilities.
PARA	Parameters	Any combination of configuration parameters for the point of interaction (POI).
TMSP	TMSProtocolParameters	Configuration parameters for the TMS protocol.
CRTF	CertificateParameters	Certificate provided by a terminal manager.
LOGF	LogFile	Any repository used for recording log traces.
CMRQ	CertificateManagementRequest	Trigger for CertificateManagementRequest.
MDFL	MediaFile	Media file managed by an application of the POI.
CONF	ConfigurationFile	Configuration file relevant for the POI.
RPFL	ReportFile	Report file generated by the POI.

19.1.8.6.3 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data set.

Datatype: "Max256Text" on page 986

19.1.8.6.4 CreationDateTime <CreDtTm>

Presence: [0..1]

Definition: Date and time of creation of the data set.

Datatype: "ISODatetime" on page 981

19.1.8.7 CardPaymentEnvironment78

Definition: Environment of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		729
	Merchant <Mrchnt>	[0..1]			729
	Identification <Id>	[0..1]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731
	POI <POI>	[0..1]			731
	Identification <Id>	[1..1]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <GrpId>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734
	Card <Card>	[0..1]			736
	ProtectedCardData <PrtctdCardData>	[0..1]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739
	ServiceOption <SvcOptn>	[0..1]	Text		740

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740
	Check <Chck>	[0..1]			740
	BankIdentification <Bkld>	[0..1]	Text		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742
	StoredValueAccount <StordValAcct>	[0..*]			742
	AccountType <AcctTp>	[0..1]	CodeSet		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746
	LoyaltyAccount <LtyAcct>	[0..*]	±		746
	CustomerDevice <CstmrDvc>	[0..1]	±		746
	Wallet <Wlt>	[0..1]	±		746
	PaymentToken <PmtTkn>	[0..1]	±		747
	MerchantToken <MrchntTkn>	[0..1]	±		747
	Cardholder <Crhldr>	[0..1]			748
	Identification <Id>	[0..1]			752
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BllgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <CrdhldrId>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwrdr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		774
	SensitiveMobileData <SnstivMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		775
	SaleEnvironment <SaleEnvr>	[0..1]			776

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		778

19.1.8.7.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer involved in the card payment.

Acquirer <Acqrr> contains the following elements (see "[Acquirer10](#)" on page 559 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		559
	ParametersVersion <ParamsVrsn>	[0..1]	Text		559

19.1.8.7.2 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]	±		729
	CommonName <CmonNm>	[0..1]	Text		730
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		730
	LocationAndContact <LctnAndCtct>	[0..1]	±		730
	SchemeData <SchmeData>	[0..1]	Text		731

19.1.8.7.2.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the merchant.

Identification <Id> contains the following elements (see "[GenericIdentification32](#)" on page 671 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		671
	Type <Tp>	[0..1]	CodeSet		671
	Issuer <Issr>	[0..1]	CodeSet		671
	ShortName <ShrtNm>	[0..1]	Text		672

19.1.8.7.2.2 CommonName <CmonNm>

Presence: [0..1]

Definition: Name of the merchant as appearing on the receipt.

Datatype: "[Max70Text](#)" on page 989

19.1.8.7.2.3 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Location category of the place where the merchant actually performed the transaction.

Datatype: "[LocationCategory4Code](#)" on page 949

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.

19.1.8.7.2.4 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 622 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PostalAddress <PstlAdr>	[0..1]	±		622
	Email <Email>	[0..1]	Text		622
	URLAddress <URLAdr>	[0..1]	Text		623
	Phone <Phne>	[0..1]	Text		623
	CustomerService <CstmrSvc>	[0..1]	Text		623
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		623

19.1.8.7.2.5 SchemeData <SchmeData>

Presence: [0..1]

Definition: Additional merchant data required by a card scheme.

Datatype: "[Max140Text](#)" on page 985

19.1.8.7.3 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]	±		731
	SystemName <SysNm>	[0..1]	Text		732
	GroupIdentification <Grpld>	[0..1]	Text		732
	Capabilities <Cpblties>	[0..1]	±		732
	TimeZone <TmZone>	[0..1]	Text		733
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		733
	Component <Cmpnt>	[0..*]	±		734

19.1.8.7.3.1 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 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

19.1.8.7.3.2 SystemName <SysNm>

Presence: [0..1]

Definition: Common name assigned by the acquirer to the POI (Point Of Interaction) system.

Datatype: "[Max70Text](#)" on page 989

19.1.8.7.3.3 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 987

19.1.8.7.3.4 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 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		825
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		826
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		826
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		827
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		827
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		827
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		827
	MessageCapabilities <MsgCpblties>	[0..*]			827
	Destination <Dstn>	[1..*]	CodeSet		828
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		828
	NumberOfLines <NbOfLines>	[0..1]	Quantity		828
	LineWidth <LineWidth>	[0..1]	Quantity		828
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	829

19.1.8.7.3.5 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 989

19.1.8.7.3.6 TerminalIntegration <TermnlIntgtn>

Presence: [0..1]

Definition: Indicates the type of integration of the POI terminal in the sale environment.

Datatype: "LocationCategory3Code" on page 948

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.

19.1.8.7.3.7 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 803 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		805
	SubTypeInfo <SubTpInf>	[0..1]	Text		806
	Identification <Id>	[1..1]			807
	ItemNumber <ItmNb>	[0..1]	Text		807
	ProviderIdentification <PrvdrId>	[0..1]	Text		807
	Identification <Id>	[0..1]	Text		807
	SerialNumber <SrlNb>	[0..1]	Text		807
	Status <Sts>	[0..1]			807
	VersionNumber <VrsnNb>	[0..1]	Text		808
	Status <Sts>	[0..1]	CodeSet		808
	ExpiryDate <XpryDt>	[0..1]	Date		808
	StandardCompliance <StdCmplc>	[0..*]			808
	Identification <Id>	[1..1]	Text		808
	Version <Vrsn>	[1..1]	Text		809
	Issuer <Issr>	[1..1]	Text		809
	Characteristics <Chrtcs>	[0..1]			809
	Memory <Mmry>	[0..*]			810
	Identification <Id>	[1..1]	Text		811
	TotalSize <TtlSz>	[1..1]	Quantity		811
	FreeSize <FreeSz>	[1..1]	Quantity		811
	Unit <Unit>	[1..1]	CodeSet		811
	Communication <Com>	[0..*]			811
	CommunicationType <ComTp>	[1..1]	CodeSet		812
	RemoteParty <RmotPty>	[1..*]	CodeSet		813
	Active <Actv>	[1..1]	Indicator		813
	Parameters <Params>	[0..1]	±		813
	PhysicalInterface <PhysIntrfc>	[0..1]			814
	InterfaceName <IntrfcNm>	[1..1]	Text		814
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		814
	UserName <UsrNm>	[0..1]	Text		815

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		815
	SecurityProfile <SctyPrfl>	[0..1]	Text		815
	AdditionalParameters <AddtlParams>	[0..1]	Binary		815
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		816
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		816
	SecurityElement <SctyElmt>	[0..*]	±		816
	Assessment <Assmnt>	[0..*]			816
	Type <Tp>	[1..1]	CodeSet		817
	Assigner <Assgnr>	[1..*]	Text		817
	DeliveryDate <DlvrDt>	[0..1]	DateTime		817
	ExpirationDate <XprtnDt>	[0..1]	DateTime		817
	Number <Nb>	[1..1]	Text		817
	Package <Packg>	[0..*]			818
	PackageIdentification <PackgId>	[0..1]	±		818
	PackageLength <PackgLngh>	[0..1]	Quantity		818
	OffsetStart <OffsetStart>	[0..1]	Quantity		818
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		819
	PackageBlock <PackgBlck>	[0..*]			819
	Identification <Id>	[1..1]	Text		819
	Value <Val>	[0..1]	Binary		819
	ProtectedValue <PrctcdVal>	[0..1]	±		819
	Type <Tp>	[0..1]	Text		820

19.1.8.7.4 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]	±		737
	PrivateCardData <PrvtCardData>	[0..1]	Binary		737
	PlainCardData <PlainCardData>	[0..1]	±		737
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		738
	MaskedPAN <MskdPAN>	[0..1]	Text		738
	IssuerBIN <IssrBIN>	[0..1]	Text		738
	CardCountryCode <CardCtryCd>	[0..1]	Text		738
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		738
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		739
	CardBrand <CardBrnd>	[0..1]	Text		739
	CardProductType <CardPdctTp>	[0..1]	CodeSet		739
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		739
	InternationalCard <IntrnlCard>	[0..1]	Indicator		739
	AllowedProduct <AllwdPdct>	[0..*]	Text		739
	ServiceOption <SvcOptn>	[0..1]	Text		740
	AdditionalCardData <AddtlCardData>	[0..1]	Text		740

19.1.8.7.4.1 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 878 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.8.7.4.2 PrivateCardData <PrvtCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a private envelope.

Datatype: "Max100KBinary" on page 915

19.1.8.7.4.3 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 628 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		628
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		629
	EffectiveDate <FctvDt>	[0..1]	Text		629
	ExpiryDate <XpryDt>	[1..1]	Text		629
	ServiceCode <SvcCd>	[0..1]	Text		629
	Track1 <Trck1>	[0..1]	Text		629
	Track2 <Trck2>	[0..1]	Text		629
	Track3 <Trck3>	[0..1]	Text		629
	CardholderName <CrdhldrNm>	[0..1]	Text		630

19.1.8.7.4.4 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 989

19.1.8.7.4.5 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 987

19.1.8.7.4.6 IssuerBIN <IssrBIN>

Presence: [0..1]

Definition: Bank identifier number of the issuer for routing purpose.

Datatype: "Max15NumericText" on page 986

19.1.8.7.4.7 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 988

19.1.8.7.4.8 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 984

19.1.8.7.4.9 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 987

19.1.8.7.4.10 CardBrand <CardBrnd>

Presence: [0..1]

Definition: Brand name of the card.

Datatype: "Max35Text" on page 987

19.1.8.7.4.11 CardProductType <CardPdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "CardProductType1Code" on page 937

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.

19.1.8.7.4.12 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Additional information to identify CardProduct.

Datatype: "Max35Text" on page 987

19.1.8.7.4.13 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 983):

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

19.1.8.7.4.14 AllowedProduct <AllwdPdct>

Presence: [0..*]

Definition: Product that can be purchased with the card.

Datatype: "Max70Text" on page 989

19.1.8.7.4.15 ServiceOption <SvcOptn>*Presence:* [0..1]*Definition:* Options to the service provided by the card.*Datatype:* "Max35Text" on page 987**19.1.8.7.4.16 AdditionalCardData <AddtlCardData>***Presence:* [0..1]*Definition:* Additional card issuer specific data.*Datatype:* "Max70Text" on page 989**19.1.8.7.5 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		740
	AccountNumber <AcctNb>	[0..1]	Text		740
	CheckNumber <ChckNb>	[0..1]	Text		740
	CheckCardNumber <ChckCardNb>	[0..1]	Text		741
	CheckTrackData2 <ChckTrckData2>	[0..1]			741
	TrackNumber <TrckNb>	[0..1]	Quantity		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742
	CheckType <ChckTp>	[0..1]	CodeSet		742
	Country <Ctry>	[0..1]	Text		742

19.1.8.7.5.1 BankIdentification <Bkld>*Presence:* [0..1]*Definition:* Identification of the institution (bank) issuing the check.*Datatype:* "Max35Text" on page 987**19.1.8.7.5.2 AccountNumber <AcctNb>***Presence:* [0..1]*Definition:* Identification of the account linked to the check.*Datatype:* "Max35Text" on page 987**19.1.8.7.5.3 CheckNumber <ChckNb>***Presence:* [0..1]

Definition: Identification of the check.

Datatype: "Max35Text" on page 987

19.1.8.7.5.4 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 987

19.1.8.7.5.5 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		741
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		741
	TrackValue <TrckVal>	[1..1]	Text		742

19.1.8.7.5.5.1 TrackNumber <TrckNb>

Presence: [0..1]

Definition: Track number of the card.

Datatype: "Number" on page 983

19.1.8.7.5.5.2 TrackFormat <TrckFrmt>

Presence: [0..1]

Definition: Card or check track format.

Datatype: "TrackFormat1Code" on page 976

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.

19.1.8.7.5.5.3 TrackValue <TrckVal>*Presence:* [1..1]*Definition:* Card track content or equivalent.*Datatype:* "Max140Text" on page 985**19.1.8.7.5.6 CheckType <ChckTp>***Presence:* [0..1]*Definition:* Type of the check (personal or professional).*Datatype:* "CheckType1Code" on page 938

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.

19.1.8.7.5.7 Country <Ctry>*Presence:* [0..1]*Definition:* Country of the check.*Datatype:* "Max3Text" on page 988**19.1.8.7.6 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		743
	IdentificationType <IdTp>	[0..1]	CodeSet		744
	Identification <Id>	[0..1]	Text		744
	Brand <Brnd>	[0..1]	Text		744
	Provider <Prvdr>	[0..1]	Text		744
	OwnerName <OwnrNm>	[0..1]	Text		744
	ExpiryDate <XpryDt>	[0..1]	Text		745
	EntryMode <NtryMd>	[0..1]	CodeSet		745
	Currency <Ccy>	[0..1]	CodeSet	C1	745
	Balance <Bal>	[0..1]	Amount		746

19.1.8.7.6.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 972

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.

19.1.8.7.6.2 IdentificationType <IdTp>*Presence:* [0..1]*Definition:* Type of identification for this Stored Value Account.*Datatype:* "CardIdentificationType1Code" on page 934

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.

19.1.8.7.6.3 Identification <Id>*Presence:* [0..1]*Definition:* Identification of Stored Value Account.*Datatype:* "Max35Text" on page 987**19.1.8.7.6.4 Brand <Brnd>***Presence:* [0..1]*Definition:* Brand to which belong the account.*Datatype:* "Max35Text" on page 987**19.1.8.7.6.5 Provider <Prvdr>***Presence:* [0..1]*Definition:* Provider of the Stored Value Account.*Datatype:* "Max35Text" on page 987**19.1.8.7.6.6 OwnerName <OwnrNm>***Presence:* [0..1]*Definition:* Owner name of an account.*Datatype:* "Max45Text" on page 988

19.1.8.7.6.7 ExpiryDate <XpryDt>*Presence:* [0..1]*Definition:* Expiry date of the account of card.*Datatype:* "Max10Text" on page 985**19.1.8.7.6.8 EntryMode <NtryMd>***Presence:* [0..1]*Definition:* Standard or last entry mode to access the Stored Value account or card.*Datatype:* "CardDataReading8Code" on page 932

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.)

19.1.8.7.6.9 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the Stored Value account.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 918**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.

19.1.8.7.6.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.7.7 LoyaltyAccount <LtyAcct>

Presence: [0..*]

Definition: Store value account associated to the payment.

LoyaltyAccount <LtyAcct> contains the following elements (see "LoyaltyAccount3" on page 718 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		719
	EntryMode <NtryMd>	[0..1]	CodeSet		719
	IdentificationType <IdTp>	[0..1]	CodeSet		720
	Brand <Brnd>	[0..1]	Text		720
	Provider <Prvdr>	[0..1]	Text		720
	OwnerName <OwnrNm>	[0..1]	Text		720
	Unit <Unit>	[0..1]	CodeSet		720
	Currency <Ccy>	[0..1]	CodeSet	C1	721
	Balance <Bal>	[0..1]	Amount		721

19.1.8.7.8 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 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		822
	Type <Tp>	[0..1]	Text		822
	Provider <Prvdr>	[0..1]	Text		822

19.1.8.7.9 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 822 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		822
	Type <Tp>	[0..1]	Text		822
	Provider <Prvdr>	[0..1]	Text		822

19.1.8.7.10 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Payment token information.

PaymentToken <PmtTkn> contains the following elements (see "[Token1](#)" on page 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		909
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		909
	TokenRequestorIdentification <TknRqstrId>	[0..1]	Text		909
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		909
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		910
	TokenInitiatedIndicator <TknInittId>	[0..1]	Indicator		910

19.1.8.7.11 MerchantToken <MrchntTkn>

Presence: [0..1]

Definition: Merchant token information.

MerchantToken <MrchntTkn> contains the following elements (see "[MerchantToken2](#)" on page 910 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		910
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		910
	TokenCharacteristic <TknChrtc>	[0..*]	Text		911
	TokenRequestor <TknRqstr>	[0..1]			911
	ProviderIdentification <PrvdrId>	[1..1]	Text		911
	RequestorIdentification <RqstrId>	[1..1]	Text		911
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		911
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		911
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		911
	TokenInitiatedIndicator <TknInittId>	[0..1]	Indicator		912

19.1.8.7.12 Cardholder <Crdhdr>

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]			752
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755
	Name <Nm>	[0..1]	Text		755
	Language <Lang>	[0..1]	CodeSet	C6	755
	BillingAddress <BllgAdr>	[0..1]	±		756
	ShippingAddress <ShppgAdr>	[0..1]	±		756
	TripNumber <TripNb>	[0..1]	Text		757
	Vehicle <Vhcl>	[0..1]	±		757
	Authentication <Authntcn>	[0..*]			758
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlick>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <Crhdldrld>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <Drvrld>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			769
	Method <Mtd>	[1..1]	CodeSet		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <Rslt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRslt>	[0..1]	Text		771
	PersonalData <PrsnlData>	[0..1]	Text		772
	MobileData <MobData>	[0..*]			772
	MobileCountryCode <MobCtryCd>	[0..1]	Text		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwr>	[1..1]	Text		774
	SensitiveMobileData <SnstvMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		775

19.1.8.7.12.1 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		752
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		752
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		753
	DriverIdentification <DrvrId>	[0..1]	Text		753
	CustomerNumber <CstmrNb>	[0..1]	Text		753
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		753
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		753
	PassportNumber <PsptNb>	[0..1]	Text		753
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		753
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		753
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		754
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		754
	JobNumber <JobNb>	[0..1]	Text		754
	Department <Dept>	[0..1]	Text		754
	EmailAddress <EmailAdr>	[0..1]	Text		754
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			754
	BirthDate <BirthDt>	[1..1]	Date		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755
	Other <Othr>	[0..*]	±		755

19.1.8.7.12.1.1 DriverLicenseNumber <DrvrLicNb>*Presence:* [0..1]*Definition:* Number assigned by a license authority to a driver's license.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.1.2 DriverLicenseLocation <DrvrLicLctn>***Presence:* [0..1]*Definition:* Country, state or province, issuer of the driver license.

Datatype: "Max35Text" on page 987

19.1.8.7.12.1.3 DriverLicenseName <DrvrLicNm>

Presence: [0..1]

Definition: Name or title of the driver license.

Datatype: "Max35Text" on page 987

19.1.8.7.12.1.4 DriverIdentification <DrvrId>

Presence: [0..1]

Definition: Identification of the driver in the fleet of vehicle.

Datatype: "Max35Text" on page 987

19.1.8.7.12.1.5 CustomerNumber <CstmrNb>

Presence: [0..1]

Definition: Number assigned by an agent to identify its customer.

Datatype: "Max35Text" on page 987

19.1.8.7.12.1.6 SocialSecurityNumber <SciSctyNb>

Presence: [0..1]

Definition: Number assigned by a social security agency.

Datatype: "Max35Text" on page 987

19.1.8.7.12.1.7 AlienRegistrationNumber <AlnRegnNb>

Presence: [0..1]

Definition: Number assigned by a government agency to identify foreign nationals.

Datatype: "Max35Text" on page 987

19.1.8.7.12.1.8 PassportNumber <PsptNb>

Presence: [0..1]

Definition: Number assigned by a passport authority to a passport.

Datatype: "Max35Text" on page 987

19.1.8.7.12.1.9 TaxIdentificationNumber <TaxIdNb>

Presence: [0..1]

Definition: Number assigned by a tax authority to an entity.

Datatype: "Max35Text" on page 987

19.1.8.7.12.1.10 IdentityCardNumber <IdntyCardNb>

Presence: [0..1]

Definition: Number assigned by a national authority to an identity card.

Datatype: "Max35Text" on page 987

19.1.8.7.12.1.11 EmployerIdentificationNumber <MplyrIdNb>*Presence:* [0..1]*Definition:* Number assigned to an employer by a registration authority.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.1.12 EmployeeIdentificationNumber <MplyeIdNb>***Presence:* [0..1]*Definition:* Number assigned to an employee by a employer.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.1.13 JobNumber <JobNb>***Presence:* [0..1]*Definition:* Identification of the job.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.1.14 Department <Dept>***Presence:* [0..1]*Definition:* Identification of the department.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.1.15 EmailAddress <EmailAdr>***Presence:* [0..1]*Definition:* Address for electronic mail (e-mail).*Datatype:* "Max256Text" on page 986**19.1.8.7.12.1.16 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		754
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		755
	CityOfBirth <CityOfBirth>	[1..1]	Text		755
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	755

19.1.8.7.12.1.16.1 BirthDate <BirthDt>*Presence:* [1..1]*Definition:* Date on which a person is born.*Datatype:* "ISODate" on page 981

19.1.8.7.12.1.16.2 ProvinceOfBirth <PrvcOfBirth>*Presence:* [0..1]*Definition:* Province where a person was born.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.1.16.3 CityOfBirth <CityOfBirth>***Presence:* [1..1]*Definition:* City where a person was born.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.1.16.4 CountryOfBirth <CtryOfBirth>***Presence:* [1..1]*Definition:* Country where a person was born.*Impacted by:* C3 "Country"*Datatype:* "CountryCode" on page 938**Constraints**

- **Country**

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

19.1.8.7.12.1.17 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 680 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		680
	IdentificationType <IdTp>	[1..1]	Text		680

19.1.8.7.12.2 Name <Nm>*Presence:* [0..1]*Definition:* Cardholder name associated with the card.*Datatype:* "Max45Text" on page 988**19.1.8.7.12.3 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 948

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.8.7.12.4 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 851 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		852
	Department <Dept>	[0..1]	Text		852
	SubDepartment <SubDept>	[0..1]	Text		852
	AddressLine <AdrLine>	[0..2]	Text		852
	StreetName <StrtNm>	[0..1]	Text		853
	BuildingNumber <BldgNb>	[0..1]	Text		853
	PostCode <PstCd>	[0..1]	Text		853
	TownName <TwnNm>	[0..1]	Text		853
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		853
	CountryCode <CtryCd>	[0..1]	Text		853

19.1.8.7.12.5 ShippingAddress <ShppgAdr>

Presence: [0..1]

Definition: Postal address for delivery of goods or services.

ShippingAddress <ShppgAdr> contains the following elements (see "PostalAddress22" on page 851 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		852
	Department <Dept>	[0..1]	Text		852
	SubDepartment <SubDept>	[0..1]	Text		852
	AddressLine <AdrLine>	[0..2]	Text		852
	StreetName <StrtNm>	[0..1]	Text		853
	BuildingNumber <BldgNb>	[0..1]	Text		853
	PostCode <PstCd>	[0..1]	Text		853
	TownName <TwnNm>	[0..1]	Text		853
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		853
	CountryCode <CtryCd>	[0..1]	Text		853

19.1.8.7.12.6 TripNumber <TripNb>

Presence: [0..1]

Definition: Identification of the trip.

Datatype: "Max35Text" on page 987

19.1.8.7.12.7 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VehicleNumber <VhclNb>	[0..1]	Text		837
	TrailerNumber <TrlrNb>	[0..1]	Text		837
	VehicleTag <VhclTag>	[0..1]	Text		838
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		838
	UnitNumber <UnitNb>	[0..1]	Text		838
	ReplacementCar <RplcmntCar>	[0..1]	Indicator		838
	Odometer <Odmtr>	[0..1]	Quantity		838
	Hubometer <Hbmtr>	[0..1]	Quantity		839
	TrailerHours <TrlrHrs>	[0..1]	Text		839
	ReferHours <RefrHrs>	[0..1]	Text		839
	Maintenanceldentification <Mntncld>	[0..1]	Text		839
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			839
	PAN <PAN>	[0..1]	Text		839
	Track1 <Trck1>	[0..1]	Text		840
	Track2 <Trck2>	[0..1]	Text		840
	Track3 <Trck3>	[0..1]	Text		840
	AdditionalCardData <AddtlCardData>	[0..*]	Text		840
	EntryMode <NtryMd>	[0..1]	CodeSet		840
	AdditionalVehicleData <AddtlVhclData>	[0..*]			841
	Type <Tp>	[0..1]	Text		841
	EntryMode <NtryMd>	[0..1]	CodeSet		841
	Data <Data>	[1..1]	Text		842

19.1.8.7.12.8 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		760
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		761
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		762
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		762
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]			762
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763
	CardholderIdentification <Crhdldrld>	[0..1]			763
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <Drvrld>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767
	AddressVerification <AdrVrfctn>	[0..1]			767

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressDigits <AdrDgts>	[0..1]	Text		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768
	AuthenticationType <AuthntcnTp>	[0..1]	Text		768
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		768
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		768
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			768
	Identification <Id>	[1..1]	Text		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769

19.1.8.7.12.8.1 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 928

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.

19.1.8.7.12.8.2 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 943

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.

19.1.8.7.12.8.3 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Value used to authenticate the cardholder.

Datatype: "Max5000Binary" on page 916

19.1.8.7.12.8.4 ProtectedAuthenticationValue <PrctcdAuthntcnVal>

Presence: [0..1]

Definition: Protection of the authentication value.

ProtectedAuthenticationValue <PrctcdAuthntcnVal> contains the following elements (see "ContentInformationType32" on page 878 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.8.7.12.8.5 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]	±		762
	PINFormat <PINFrmt>	[1..1]	CodeSet		763
	AdditionalInput <AddtlInpt>	[0..1]	Text		763

19.1.8.7.12.8.5.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see "ContentInformationType32" on page 878 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.8.7.12.8.5.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 955

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.

19.1.8.7.12.8.5.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6 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		764
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		764
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		764
	DriverIdentification <DrvrId>	[0..1]	Text		765
	CustomerNumber <CstmrNb>	[0..1]	Text		765
	SocialSecurityNumber <ScIScTyNb>	[0..1]	Text		765
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		765
	PassportNumber <PsptNb>	[0..1]	Text		765
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		765
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		765
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		765
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		766
	JobNumber <JobNb>	[0..1]	Text		766
	Department <Dept>	[0..1]	Text		766
	EmailAddress <EmailAdr>	[0..1]	Text		766
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			766
	BirthDate <BirthDt>	[1..1]	Date		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767
	Other <Othr>	[0..*]	±		767

19.1.8.7.12.8.6.1 DriverLicenseNumber <DrvrLicNb>

Presence: [0..1]

Definition: Number assigned by a license authority to a driver's license.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.2 DriverLicenseLocation <DrvrLicLctn>

Presence: [0..1]

Definition: Country, state or province, issuer of the driver license.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.3 DriverLicenseName <DrvrLicNm>

Presence: [0..1]

Definition: Name or title of the driver license.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.4 DriverIdentification <DrvrlId>

Presence: [0..1]

Definition: Identification of the driver in the fleet of vehicle.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.5 CustomerNumber <CstmrNb>

Presence: [0..1]

Definition: Number assigned by an agent to identify its customer.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.6 SocialSecurityNumber <ScISctyNb>

Presence: [0..1]

Definition: Number assigned by a social security agency.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.7 AlienRegistrationNumber <AlnRegnNb>

Presence: [0..1]

Definition: Number assigned by a government agency to identify foreign nationals.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.8 PassportNumber <PsptNb>

Presence: [0..1]

Definition: Number assigned by a passport authority to a passport.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.9 TaxIdentificationNumber <TaxIdNb>

Presence: [0..1]

Definition: Number assigned by a tax authority to an entity.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.10 IdentityCardNumber <IdntyCardNb>

Presence: [0..1]

Definition: Number assigned by a national authority to an identity card.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.11 EmployerIdentificationNumber <MplyrIdNb>

Presence: [0..1]

Definition: Number assigned to an employer by a registration authority.

Datatype: "Max35Text" on page 987

19.1.8.7.12.8.6.12 EmployeeIdentificationNumber <MplyeeldNb>*Presence:* [0..1]*Definition:* Number assigned to an employee by a employer.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.8.6.13 JobNumber <JobNb>***Presence:* [0..1]*Definition:* Identification of the job.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.8.6.14 Department <Dept>***Presence:* [0..1]*Definition:* Identification of the department.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.8.6.15 EmailAddress <EmailAdr>***Presence:* [0..1]*Definition:* Address for electronic mail (e-mail).*Datatype:* "Max256Text" on page 986**19.1.8.7.12.8.6.16 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		766
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		766
	CityOfBirth <CityOfBirth>	[1..1]	Text		767
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	767

19.1.8.7.12.8.6.16.1 BirthDate <BirthDt>*Presence:* [1..1]*Definition:* Date on which a person is born.*Datatype:* "ISODate" on page 981**19.1.8.7.12.8.6.16.2 ProvinceOfBirth <PrvcOfBirth>***Presence:* [0..1]*Definition:* Province where a person was born.*Datatype:* "Max35Text" on page 987

19.1.8.7.12.8.6.16.3 CityOfBirth <CityOfBirth>*Presence:* [1..1]*Definition:* City where a person was born.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.8.6.16.4 CountryOfBirth <CtrOfBirth>***Presence:* [1..1]*Definition:* Country where a person was born.*Impacted by:* C3 "Country"*Datatype:* "CountryCode" on page 938**Constraints**

- **Country**

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

19.1.8.7.12.8.6.17 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 680 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		680
	IdentificationType <IdTp>	[1..1]	Text		680

19.1.8.7.12.8.7 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		767
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		768

19.1.8.7.12.8.7.1 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 988

19.1.8.7.12.8.7.2 PostalCodeDigits <PstlCdDgts>*Presence:* [0..1]*Definition:* Numeric characters from the cardholder's postal code.*Datatype:* "Max5NumericText" on page 988**19.1.8.7.12.8.8 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 987**19.1.8.7.12.8.9 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 987**19.1.8.7.12.8.10 AuthenticationResult <AuthntcnRslt>***Presence:* [0..1]*Definition:* Result of authentication.*Datatype:* "AuthenticationResult1Code" on page 929

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.

19.1.8.7.12.8.11 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		769
	Value <Val>	[0..1]	Binary		769
	ProtectedValue <PrctcdVal>	[0..1]	±		769
	Type <Tp>	[0..1]	Text		769

19.1.8.7.12.8.11.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 985

19.1.8.7.12.8.11.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 915

19.1.8.7.12.8.11.3 ProtectedValue <PrctcdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrctcdVal> contains the following elements (see "ContentInformationType30" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		881
	EnvelopedData <EnvlpdData>	[0..1]	±		881
	AuthenticatedData <AuthntcdData>	[0..1]	±		882
	SignedData <SgndData>	[0..1]	±		883
	DigestedData <DgstdData>	[0..1]	±		884

19.1.8.7.12.8.11.4 Type <Tp>

Presence: [0..1]

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

Datatype: "Max1025Text" on page 985

19.1.8.7.12.9 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		770
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		771
	Result <RsIt>	[0..1]	CodeSet		771
	AdditionalResult <AddtlRsIt>	[0..1]	Text		771

19.1.8.7.12.9.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod6Code" on page 927

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.

19.1.8.7.12.9.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 927

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.

19.1.8.7.12.9.3 Result <RsIt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 980

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.

19.1.8.7.12.9.4 AdditionalResult <AddtlRsIt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 988

19.1.8.7.12.10 PersonalData <PrsnlData>*Presence:* [0..1]*Definition:* Identifies personal data related to the cardholder.*Datatype:* "Max70Text" on page 989**19.1.8.7.12.11 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		772
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		772
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		773
	Geolocation <Glctn>	[0..1]			773
	GeographicCoordinates <GeogcCordints>	[0..1]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwrdr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		774
	SensitiveMobileData <SnstivMobData>	[0..1]			774
	MSISDN <MSISDN>	[1..1]	Text		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		775

19.1.8.7.12.11.1 MobileCountryCode <MobCtryCd>*Presence:* [0..1]*Definition:* Identifies the country of a mobile phone operator.*Datatype:* "Min2Max3AlphaText" on page 990**19.1.8.7.12.11.2 MobileNetworkCode <MobNtwkCd>***Presence:* [0..1]*Definition:* Identifies the mobile phone operator inside a country.*Datatype:* "Min2Max3NumericText" on page 990

19.1.8.7.12.11.3 MobileMaskedMSISDN <MobMskdMSISDN>*Presence:* [0..1]*Definition:* Masked Mobile Subscriber Integrated Service Digital Network.*Datatype:* "Max35Text" on page 987**19.1.8.7.12.11.4 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]			773
	Latitude <Lat>	[1..1]	Text		773
	Longitude <Long>	[1..1]	Text		773
	UTMCoordinates <UTMCordints>	[0..1]			774
	UTMZone <UTMZone>	[1..1]	Text		774
	UTMEastward <UTMEstwrdr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		774

19.1.8.7.12.11.4.1 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		773
	Longitude <Long>	[1..1]	Text		773

19.1.8.7.12.11.4.1.1 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 987**19.1.8.7.12.11.4.1.2 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 987

19.1.8.7.12.11.4.2 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		774
	UTMEastward <UTMEstwrdr>	[1..1]	Text		774
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		774

19.1.8.7.12.11.4.2.1 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 987

19.1.8.7.12.11.4.2.2 UTMEastward <UTMEstwrdr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 987

19.1.8.7.12.11.4.2.3 UTMNorthward <UTMNrthwrdr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 987

19.1.8.7.12.11.5 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		775
	IMSI <IMSI>	[0..1]	Text		775
	IMEI <IMEI>	[0..1]	Text		775

19.1.8.7.12.11.5.1 MSISDN <MSISDN>

Presence: [1..1]

Definition: identifies the mobile - Mobile Subscriber Integrated Service Digital Network (The SIM identifier).

Datatype: "Max35NumericText" on page 987

19.1.8.7.12.11.5.2 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 987

19.1.8.7.12.11.5.3 IMEI <IMEI>

Presence: [0..1]

Definition: International Mobile Equipment Identity is a number usually unique to identify a mobile phone.

Datatype: "Max35NumericText" on page 987

19.1.8.7.12.11.6 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 878 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.8.7.13 ProtectedCardholderData <PrtctdCrhldrData>

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 878 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.8.7.14 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		776
	Currency <Ccy>	[0..1]	CodeSet	C1	777
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		777
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		777
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		778
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		778
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		778

19.1.8.7.14.1 SaleCapabilities <SaleCpblties>

Presence: [0..*]

Definition: Capabilities of the Sale system.

Datatype: "SaleCapabilities1Code" on page 971

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.

19.1.8.7.14.2 Currency <Ccy>

Presence: [0..1]

Definition: Default currency associated with the sale system.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

19.1.8.7.14.3 MinimumAmountToDeliver <MinAmtToDlvr>

Presence: [0..1]

Definition: Minimum amount the Sale System is allowed to deliver for this payment.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.7.14.4 MaximumCashBackAmount <MaxCshBckAmt>

Presence: [0..1]

Definition: Maximum amount which could be requested for cash-back.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.7.14.5 MinimumSplitAmount <MinSpltAmt>

Presence: [0..1]

Definition: Minimum amount to split a sale transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.7.14.6 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 983):

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

19.1.8.7.14.7 LoyaltyHandling <LltyHdlg>

Presence: [0..1]

Definition: Way of Loyalty handling.

Datatype: "LoyaltyHandling1Code" on page 949

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.

19.1.8.8 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]			781
	CardPresent <CardPres>	[0..1]	Indicator		781
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpptdOptn>	[0..*]	CodeSet		785
	SaleContext <SaleCntxt>	[0..1]			785
	SaleIdentification <SaleId>	[0..1]	Text		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrlId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788
	SplitPayment <SpltPmt>	[0..1]	Indicator		789

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790
	DirectDebitContext <DrctDbtCntxt>	[0..1]			790
	DebtorIdentification <DbtrId>	[0..1]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MandatImage <MndtImg>	[0..1]	Binary		798

19.1.8.8.1 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		781
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		781
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		782
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		782
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		782
	TransactionChannel <TxChanl>	[0..1]	CodeSet		782
	BusinessArea <BizArea>	[0..1]	CodeSet		783
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		783
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	783
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		784
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		784
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		785

19.1.8.8.1.1 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 983](#)):

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

19.1.8.8.1.2 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 983](#)):

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

19.1.8.8.1.3 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 983):

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

19.1.8.8.1.4 AttendanceContext <AttndncCntxt>*Presence:* [0..1]*Definition:* Human attendance at the POI (Point Of Interaction) location during the transaction.*Datatype:* ["AttendanceContext1Code"](#) on page 926

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.

19.1.8.8.1.5 TransactionEnvironment <TxEnv>*Presence:* [0..1]*Definition:* Indicates the environment of the transaction.*Datatype:* ["TransactionEnvironment1Code"](#) on page 977

CodeName	Name	Definition
MERC	Merchant	Merchant environment.
PRIV	Private	Private environment.
PUBL	Public	Public environment.

19.1.8.8.1.6 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 977

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.

19.1.8.8.1.7 BusinessArea <BizArea>

Presence: [0..1]

Definition: Defines the business context of this transaction that could imply specific scheme rules.

Datatype: "BusinessArea1Code" on page 930

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.

19.1.8.8.1.8 AttendantMessageCapable <AttdntMsgCpbl>

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 983):

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

19.1.8.8.1.9 AttendantLanguage <AttdntLang>

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 948

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.8.8.1.10 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Entry mode of the card data.

Datatype: "CardDataReading8Code" on page 932

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.)

19.1.8.8.1.11 FallbackIndicator <FlbckInd>

Presence: [0..1]

Definition: Indicator of a card entry mode fallback.

Datatype: "CardFallback1Code" on page 933

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.

19.1.8.8.1.12 SupportedOption <SpprtdOptn>

Presence: [0..*]

Definition: Payment options the card acceptor can support.

Datatype: "SupportedPaymentOption2Code" on page 973

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.

19.1.8.8.2 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		786
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		786
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		787
	CashierIdentification <CshrId>	[0..1]	Text		787
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	787
	ShiftNumber <ShiftNb>	[0..1]	Text		787
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		787
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		787
	InvoiceNumber <InvNb>	[0..1]	Text		787
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		788
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			788
	CommonName <CmonNm>	[1..1]	Text		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		788
	SplitPayment <Spltpmt>	[0..1]	Indicator		789
	RemainingAmount <RmngAmt>	[0..1]	Amount		789
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		789
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		789
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		789
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		790
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		790

19.1.8.8.2.1 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 987

19.1.8.8.2.2 SaleReferenceNumber <SaleRefNb>

Presence: [0..1]

Definition: Identify a sale transaction assigned by the sale system.

Datatype: "Max35Text" on page 987

19.1.8.8.2.3 SaleReconciliationIdentification <SaleRcncltnId>

Presence: [0..1]

Definition: Identifier of the reconciliation between the Sale system and the POI system.

Datatype: "Max35Text" on page 987

19.1.8.8.2.4 CashierIdentification <CshrlId>

Presence: [0..1]

Definition: Identification of the cashier who carried out the transaction.

Datatype: "Max35Text" on page 987

19.1.8.8.2.5 CashierLanguage <CshrLang>

Presence: [0..*]

Definition: Languages used by the cashier.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 948

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.8.8.2.6 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max2NumericText" on page 987

19.1.8.8.2.7 CustomerOrderRequestFlag <CstmrOrdRReqFlg>

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 983):

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

19.1.8.8.2.8 PurchaseOrderNumber <PurchsOrdRNb>

Presence: [0..1]

Definition: Identification of the purchase order.

Datatype: "Max35Text" on page 987

19.1.8.8.2.9 InvoiceNumber <InvcNb>

Presence: [0..1]

Definition: Identification of the invoice.

Datatype: "Max35Text" on page 987

19.1.8.8.2.10 DeliveryNoteNumber <DlvryNoteNb>

Presence: [0..1]

Definition: Identification allocated by the sale system and given to the customer.

Datatype: "Max35Text" on page 987

19.1.8.8.2.11 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		788
	Address <Adr>	[0..1]	Text		788
	CountryCode <CtryCd>	[1..1]	CodeSet		788
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		788
	RegisteredIdentifier <Regldlr>	[1..1]	Text		788

19.1.8.8.2.11.1 CommonName <CmonNm>

Presence: [1..1]

Definition: Name of the merchant.

Datatype: "Max70Text" on page 989

19.1.8.8.2.11.2 Address <Adr>

Presence: [0..1]

Definition: Location of the merchant.

Datatype: "Max140Text" on page 985

19.1.8.8.2.11.3 CountryCode <CtryCd>

Presence: [1..1]

Definition: Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 947

19.1.8.8.2.11.4 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 990

19.1.8.8.2.11.5 RegisteredIdentifier <Regldlr>

Presence: [1..1]

Definition: Identifier of the sponsored merchant assigned by the payment facilitator of their acquirer.

Datatype: "Max35Text" on page 987

19.1.8.8.2.12 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 983):

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

19.1.8.8.2.13 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 914

19.1.8.8.2.14 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 983):

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

19.1.8.8.2.15 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 983):

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

19.1.8.8.2.16 AllowedEntryMode <AllwdNtryMd>

Presence: [0..*]

Definition: Type of card data reading.

Datatype: "CardDataReading8Code" on page 932

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.)

19.1.8.8.2.17 SaleTokenScope <SaleTknScp>

Presence: [0..1]

Definition: Scope of the token that identifies the payment mean of the customer.

Datatype: "SaleTokenScope1Code" on page 972

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.

19.1.8.8.2.18 AdditionalSaleData <AddtlSaleData>

Presence: [0..1]

Definition: Additional information associated with the sale transaction.

Datatype: "Max70Text" on page 989

19.1.8.8.3 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]			791
	Debtor <Dbtr>	[0..1]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795
	CreditorIdentification <CdtrId>	[1..1]			795
	Creditor <Cdtr>	[1..1]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797
	MandateRelatedInformation <MndtRltdInf>	[1..1]			797
	MandateIdentification <MndtId>	[1..1]	Text		798
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

19.1.8.8.3.1 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]			792
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793
	AccountIdentification <AcctId>	[0..1]			794
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification <Id>	[1..1]	Text		795

19.1.8.8.3.1.1 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	792
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		793
Or}	NameAndAddress <NmAndAdr>	[1..1]			793
	Name <Nm>	[1..1]	Text		793
	Address <Adr>	[1..1]	±		793

19.1.8.8.3.1.1.1 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 981

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.

19.1.8.8.3.1.1.2 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 679 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		680
	Issuer <Issr>	[1..1]	Text		680
	SchemeName <SchmeNm>	[0..1]	Text		680

19.1.8.8.3.1.1.3 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		793
	Address <Adr>	[1..1]	±		793

19.1.8.8.3.1.1.3.1 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 989

19.1.8.8.3.1.1.3.2 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 908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		908
	PostCodeIdentification <PstCdd>	[1..1]	Text		908
	TownName <TwnNm>	[1..1]	Text		908
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		908
	Country <Ctry>	[1..1]	CodeSet	C3	908

19.1.8.8.3.1.2 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	794
Or	BBAN <BBAN>	[1..1]	IdentifierSet		794
Or	UPIC <UPIC>	[1..1]	IdentifierSet		795
Or}	DomesticAccount <DmstAcct>	[1..1]			795
	Identification </Id>	[1..1]	Text		795

19.1.8.8.3.1.2.1 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 982

Constraints

- IBAN**

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

19.1.8.8.3.1.2.2 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 982

19.1.8.8.3.1.2.3 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 982

19.1.8.8.3.1.2.4 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		795

19.1.8.8.3.1.2.4.1 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 987

19.1.8.8.3.2 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]			796
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797
	RegistrationIdentification <RegnId>	[0..1]	Text		797

19.1.8.8.3.2.1 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	796
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		796
Or}	NameAndAddress <NmAndAdr>	[1..1]			796
	Name <Nm>	[1..1]	Text		797
	Address <Adr>	[1..1]	±		797

19.1.8.8.3.2.1.1 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 981**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.

19.1.8.8.3.2.1.2 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 679 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		680
	Issuer <Issr>	[1..1]	Text		680
	SchemeName <SchmeNm>	[0..1]	Text		680

19.1.8.8.3.2.1.3 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		797
	Address <Adr>	[1..1]	±		797

19.1.8.8.3.2.1.3.1 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 989

19.1.8.8.3.2.1.3.2 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 908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		908
	PostCodeIdentification <PstCdId>	[1..1]	Text		908
	TownName <TwnNm>	[1..1]	Text		908
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		908
	Country <Ctry>	[1..1]	CodeSet	C3	908

19.1.8.8.3.2.2 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 987

19.1.8.8.3.3 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		798
	DateOfSignature <DtOfSgntr>	[0..1]	Date		798
	MandateImage <MndtImg>	[0..1]	Binary		798

19.1.8.8.3.3.1 MandateIdentification <MndtId>*Presence:* [1..1]*Definition:* Unique identification, as assigned by the creditor, to unambiguously identify the mandate.*Datatype:* "Max35Text" on page 987**19.1.8.8.3.3.2 DateOfSignature <DtOfSgntr>***Presence:* [0..1]*Definition:* Date on which the direct debit mandate has been signed by the debtor.*Datatype:* "ISODate" on page 981**19.1.8.8.3.3.3 MandateImage <MndtImg>***Presence:* [0..1]*Definition:* Image of scanned signed mandate.*Datatype:* "Max2MBBinary" on page 916**19.1.8.9 ActionMessage9***Definition:* Information to display, print or store.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		798
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		799
	Format <Frmt>	[0..1]	CodeSet		800
	MessageContent <MsgCntt>	[0..1]	Text		800
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		800
	OutputBarcode <OutptBrcd>	[0..1]			800
	BarcodeType <BrCdTp>	[1..1]	CodeSet		801
	BarcodeValue <BrCdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrctn>	[0..1]	CodeSet		802
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		802
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		802

19.1.8.9.1 MessageDestination <MsgDstn>*Presence:* [1..1]*Definition:* Destination of the message.*Datatype:* "UserInterface4Code" on page 980

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.

19.1.8.9.2 InformationQualifier <InfQlfr>

Presence: [0..1]

Definition: Qualification of the information to sent to an output logical device.

Datatype: "InformationQualify1Code" on page 945

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.

19.1.8.9.3 Format <Frmt>*Presence:* [0..1]*Definition:* Message format.*Datatype:* "OutputFormat3Code" on page 952

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.

19.1.8.9.4 MessageContent <MsgCntt>*Presence:* [0..1]*Definition:* Content or reference of the message.*Datatype:* "Max20000Text" on page 986**19.1.8.9.5 MessageContentSignature <MsgCnttSgntr>***Presence:* [0..1]*Definition:* Digital signature of the message.

MessageContentSignature <MsgCnttSgntr> contains the following elements (see "ContentInformationType29" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

19.1.8.9.6 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		801
	BarcodeValue <BrcdVal>	[0..1]	Text		801
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		801
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		802
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		802
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		802

19.1.8.9.6.1 BarcodeType <BrcdTp>

Presence: [1..1]

Definition: Type of Barcode coding.

Datatype: "BarcodeType1Code" on page 930

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.

19.1.8.9.6.2 BarcodeValue <BrcdVal>

Presence: [0..1]

Definition: Value with a Barcode coding.

Datatype: "Max8000Text" on page 989

19.1.8.9.6.3 QRCodeBinaryValue <QRCDBinryVal>

Presence: [0..1]

Definition: Use for binary and Kanji Quick Response Code.

Datatype: "Max3000Binary" on page 916

19.1.8.9.6.4 QRCodeVersion <QRCDVrsn>*Presence:* [0..1]*Definition:* Version of the Quick Response Code.*Datatype:* "Max16Text" on page 986**19.1.8.9.6.5 QRCodeEncodingMode <QRCDNcodgMd>***Presence:* [1..1]*Definition:* Encoding Mode of Quick Response Code.*Datatype:* "QRCodeEncodingMode1Code" on page 959

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.

19.1.8.9.6.6 QRCodeErrorCorrection <QRCDerrCrrctn>*Presence:* [0..1]*Definition:* Error Correction mode of Quick Response Code.*Datatype:* "QRCodeErrorCorrection1Code" on page 959

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%

19.1.8.9.7 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 983):

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

19.1.8.9.8 MinimumDisplayTime <MinDispTm>*Presence:* [0..1]*Definition:* Number of seconds the message has to be displayed.*Datatype:* "Number" on page 983

19.1.8.10 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		805
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		806
	Identification <Id>	[1..1]			807
	ItemNumber <ItmNb>	[0..1]	Text		807
	ProviderIdentification <PrvdrlId>	[0..1]	Text		807
	Identification <Id>	[0..1]	Text		807
	SerialNumber <SrlNb>	[0..1]	Text		807
	Status <Sts>	[0..1]			807
	VersionNumber <VrsnNb>	[0..1]	Text		808
	Status <Sts>	[0..1]	CodeSet		808
	ExpiryDate <XpryDt>	[0..1]	Date		808
	StandardCompliance <StdCmplc>	[0..*]			808
	Identification <Id>	[1..1]	Text		808
	Version <Vrsn>	[1..1]	Text		809
	Issuer <Issr>	[1..1]	Text		809
	Characteristics <Chrtcs>	[0..1]			809
	Memory <Mmry>	[0..*]			810
	Identification <Id>	[1..1]	Text		811
	TotalSize <TtlSz>	[1..1]	Quantity		811
	FreeSize <FreeSz>	[1..1]	Quantity		811
	Unit <Unit>	[1..1]	CodeSet		811
	Communication <Com>	[0..*]			811
	CommunicationType <ComTp>	[1..1]	CodeSet		812
	RemoteParty <RmotPty>	[1..*]	CodeSet		813
	Active <Actv>	[1..1]	Indicator		813
	Parameters <Params>	[0..1]	±		813
	PhysicalInterface <PhysIntrfc>	[0..1]			814
	InterfaceName <IntrfcNm>	[1..1]	Text		814
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		814
	UserName <UsrNm>	[0..1]	Text		815
	AccessCode <AccsCd>	[0..1]	Binary		815

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SecurityProfile <SctyPrfl>	[0..1]	Text		815
	AdditionalParameters <AddtlParams>	[0..1]	Binary		815
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		816
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		816
	SecurityElement <SctyElmt>	[0..*]	±		816
	Assessment <Assmnt>	[0..*]			816
	Type <Tp>	[1..1]	CodeSet		817
	Assigner <Assgnr>	[1..*]	Text		817
	DeliveryDate <DlvryDt>	[0..1]	DateTime		817
	ExpirationDate <XprtnDt>	[0..1]	DateTime		817
	Number <Nb>	[1..1]	Text		817
	Package <Packg>	[0..*]			818
	PackageIdentification <PackgId>	[0..1]	±		818
	PackageLength <PackgLngh>	[0..1]	Quantity		818
	OffsetStart <OffsetStart>	[0..1]	Quantity		818
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		819
	PackageBlock <PackgBlck>	[0..*]			819
	Identification <Id>	[1..1]	Text		819
	Value <Val>	[0..1]	Binary		819
	ProtectedValue <PrctcdVal>	[0..1]	±		819
	Type <Tp>	[0..1]	Text		820

19.1.8.10.1 Type <Tp>

Presence: [1..1]

Definition: Type of component belonging to a POI (Point Of Interaction) Terminal.

Datatype: "POIComponentType6Code" on page 957

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.

19.1.8.10.2 SubTypeInformation <SubTpInf>

Presence: [0..1]

Definition: Additional information regarding the type of the component.

Datatype: "Max70Text" on page 989

19.1.8.10.3 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		807
	ProviderIdentification <PrvdrId>	[0..1]	Text		807
	Identification <Id>	[0..1]	Text		807
	SerialNumber <SrINb>	[0..1]	Text		807

19.1.8.10.3.1 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 987**19.1.8.10.3.2 ProviderIdentification <PrvdrId>***Presence:* [0..1]*Definition:* Identifies the provider of the software, hardware or parameters of the POI component.*Datatype:* "Max35Text" on page 987**19.1.8.10.3.3 Identification <Id>***Presence:* [0..1]*Definition:* Identification of the POI component assigned by its provider.*Datatype:* "Max256Text" on page 986**19.1.8.10.3.4 SerialNumber <SrINb>***Presence:* [0..1]*Definition:* Serial number identifying an occurrence of an hardware component.*Datatype:* "Max256Text" on page 986**19.1.8.10.4 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		808
	Status <Sts>	[0..1]	CodeSet		808
	ExpiryDate <XpryDt>	[0..1]	Date		808

19.1.8.10.4.1 VersionNumber <VrsnNb>

Presence: [0..1]

Definition: Current version of the component that might include the release number.

Datatype: "Max256Text" on page 986

19.1.8.10.4.2 Status <Sts>

Presence: [0..1]

Definition: Current status of the component.

Datatype: "POIComponentStatus1Code" on page 957

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.

19.1.8.10.4.3 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiration date of the component.

Datatype: "ISODate" on page 981

19.1.8.10.5 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		808
	Version <Vrsn>	[1..1]	Text		809
	Issuer <Issr>	[1..1]	Text		809

19.1.8.10.5.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 987

19.1.8.10.5.2 Version <Vrsn>

Presence: [1..1]

Definition: Version of the identification.

Datatype: "Max35Text" on page 987

19.1.8.10.5.3 Issuer <Issr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 987

19.1.8.10.6 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..*]			810
	Identification <Id>	[1..1]	Text		811
	TotalSize <TtlSz>	[1..1]	Quantity		811
	FreeSize <FreeSz>	[1..1]	Quantity		811
	Unit <Unit>	[1..1]	CodeSet		811
	Communication <Com>	[0..*]			811
	CommunicationType <ComTp>	[1..1]	CodeSet		812
	RemoteParty <RmotPty>	[1..*]	CodeSet		813
	Active <Actv>	[1..1]	Indicator		813
	Parameters <Params>	[0..1]	±		813
	PhysicalInterface <PhysIntrfc>	[0..1]			814
	InterfaceName <IntrfcNm>	[1..1]	Text		814
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		814
	UserName <UsrNm>	[0..1]	Text		815
	AccessCode <AccsCd>	[0..1]	Binary		815
	SecurityProfile <SctyPrfl>	[0..1]	Text		815
	AdditionalParameters <AddtlParams>	[0..1]	Binary		815
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		816
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		816
	SecurityElement <SctyElmt>	[0..*]	±		816

19.1.8.10.6.1 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		811
	TotalSize <TtlSz>	[1..1]	Quantity		811
	FreeSize <FreeSz>	[1..1]	Quantity		811
	Unit <Unit>	[1..1]	CodeSet		811

19.1.8.10.6.1.1 Identification <Id>*Presence:* [1..1]*Definition:* Identification or name of the memory.*Datatype:* "Max35Text" on page 987**19.1.8.10.6.1.2 TotalSize <TtISz>***Presence:* [1..1]*Definition:* Total size of the memory unit.*Datatype:* "DecimalNumber" on page 983**19.1.8.10.6.1.3 FreeSize <FreeSz>***Presence:* [1..1]*Definition:* Total size of the available memory.*Datatype:* "DecimalNumber" on page 983**19.1.8.10.6.1.4 Unit <Unit>***Presence:* [1..1]*Definition:* Memory unit of the sizes.*Datatype:* "MemoryUnit1Code" on page 950

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.

19.1.8.10.6.2 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		812
	RemoteParty <RmotPty>	[1..*]	CodeSet		813
	Active <Actv>	[1..1]	Indicator		813
	Parameters <Params>	[0..1]	±		813
	PhysicalInterface <PhysIntrfc>	[0..1]			814
	InterfaceName <IntrfcNm>	[1..1]	Text		814
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		814
	UserName <UsrNm>	[0..1]	Text		815
	AccessCode <AccsCd>	[0..1]	Binary		815
	SecurityProfile <SctyPrfl>	[0..1]	Text		815
	AdditionalParameters <AddtlParams>	[0..1]	Binary		815

19.1.8.10.6.2.1 CommunicationType <ComTp>

Presence: [1..1]

Definition: Type of low level communication.

Datatype: "POICommunicationType2Code" on page 956

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.

19.1.8.10.6.2.2 RemoteParty <RmotPty>

Presence: [1..*]

Definition: Entity that communicate with the current component, using this communication device.

Datatype: "PartyType7Code" on page 955

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.

19.1.8.10.6.2.3 Active <Activ>

Presence: [1..1]

Definition: Communication hardware is activated.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 983):

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

19.1.8.10.6.2.4 Parameters <Params>

Presence: [0..1]

Definition: Network parameters of the communication link.

Parameters <Params> contains the following elements (see "[NetworkParameters7](#)" on page 849 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			850
	NetworkType <NtwkTp>	[1..1]	CodeSet		850
	AddressValue <AdrVal>	[1..1]	Text		850
	UserName <UsrNm>	[0..1]	Text		850
	AccessCode <AccsCd>	[0..1]	Binary		851
	ServerCertificate <SvrCert>	[0..*]	Binary		851
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		851
	ClientCertificate <ClntCert>	[0..*]	Binary		851
	SecurityProfile <SctyPrfl>	[0..1]	Text		851

19.1.8.10.6.2.5 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		814
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		814
	UserName <UsrNm>	[0..1]	Text		815
	AccessCode <AccsCd>	[0..1]	Binary		815
	SecurityProfile <SctyPrfl>	[0..1]	Text		815
	AdditionalParameters <AddtlParams>	[0..1]	Binary		815

19.1.8.10.6.2.5.1 InterfaceName <IntrfcNm>

Presence: [1..1]

Definition: Identification of the interface.

Datatype: "[Max35Text](#)" on page 987

19.1.8.10.6.2.5.2 InterfaceType <IntrfcTp>

Presence: [0..1]

Definition: Identification of the physical link layer.

Datatype: "[POICommunicationType2Code](#)" on page 956

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.

19.1.8.10.6.2.5.3 UserName <UsrNm>

Presence: [0..1]

Definition: Optional user name to provide to use this interface.

Datatype: "Max35Text" on page 987

19.1.8.10.6.2.5.4 AccessCode <AccsCd>

Presence: [0..1]

Definition: Optional access code to provide to use this interface.

Datatype: "Max35Binary" on page 916

19.1.8.10.6.2.5.5 SecurityProfile <SctyPrfl>

Presence: [0..1]

Definition: Identification of the optional security profile to use with this interface.

Datatype: "Max35Text" on page 987

19.1.8.10.6.2.5.6 AdditionalParameters <AddtlParams>

Presence: [0..1]

Definition: Any other parameters relevant for this interface.

Datatype: ["Max2KBinary" on page 915](#)

19.1.8.10.6.3 SecurityAccessModules <SctyAccsMdls>

Presence: [0..1]

Definition: Number of security access modules (SAM).

Datatype: ["Number" on page 983](#)

19.1.8.10.6.4 SubscriberIdentityModules <SbcbrldntyMdls>

Presence: [0..1]

Definition: Number of subscriber identity modules (SIM).

Datatype: ["Number" on page 983](#)

19.1.8.10.6.5 SecurityElement <SctyElmt>

Presence: [0..*]

Definition: Security characteristics of the component.

SecurityElement <SctyElmt> contains the following elements (see ["CryptographicKey16" on page 887](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		888
	AdditionalIdentification <AddtlId>	[0..1]	Binary		888
	Name <Nm>	[0..1]	Text		888
	SecurityProfile <SctyPrfl>	[0..1]	Text		889
	ItemNumber <ItmNb>	[0..1]	Text		889
	Version <Vrsn>	[1..1]	Text		889
	Type <Tp>	[0..1]	CodeSet		889
	Function <Fctn>	[0..*]	CodeSet		890
	ActivationDate <ActvtnDt>	[0..1]	DateTime		890
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		890
	KeyValue <KeyVal>	[0..1]	±		891
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		891
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			891
	Name <Nm>	[1..1]	Text		891
	Value <Val>	[0..1]	Text		891

19.1.8.10.7 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		817
	Assigner <Assgnr>	[1..*]	Text		817
	DeliveryDate <DlvryDt>	[0..1]	DateTime		817
	ExpirationDate <XprtnDt>	[0..1]	DateTime		817
	Number <Nb>	[1..1]	Text		817

19.1.8.10.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of assessment of the component.

Datatype: "POIComponentAssessment1Code" on page 957

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.

19.1.8.10.7.2 Assigner <Assgnr>

Presence: [1..*]

Definition: Body which has delivered the assessment.

Datatype: "Max35Text" on page 987

19.1.8.10.7.3 DeliveryDate <DlvryDt>

Presence: [0..1]

Definition: Date when the assessment has been delivered.

Datatype: "ISODateTime" on page 981

19.1.8.10.7.4 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Date when the assessment will expire.

Datatype: "ISODateTime" on page 981

19.1.8.10.7.5 Number <Nb>

Presence: [1..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 987

19.1.8.10.8 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]	±		818
	PackageLength <PackgLngh>	[0..1]	Quantity		818
	OffsetStart <OffsetStart>	[0..1]	Quantity		818
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		819
	PackageBlock <PackgBlck>	[0..*]			819
	Identification <Id>	[1..1]	Text		819
	Value <Val>	[0..1]	Binary		819
	ProtectedValue <PrctcdVal>	[0..1]	±		819
	Type <Tp>	[0..1]	Text		820

19.1.8.10.8.1 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 676 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		676
	Type <Tp>	[0..1]	CodeSet		677
	Issuer <Issr>	[0..1]	CodeSet		677
	Country <Ctry>	[0..1]	Text		678
	ShortName <ShrtNm>	[0..1]	Text		678

19.1.8.10.8.2 PackageLength <PackgLngh>*Presence:* [0..1]*Definition:* Full length of software package identified through PackageIdentification.*Datatype:* "[PositiveNumber](#)" on page 983**19.1.8.10.8.3 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 983

19.1.8.10.8.4 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 983

19.1.8.10.8.5 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		819
	Value <Val>	[0..1]	Binary		819
	ProtectedValue <PrctcdVal>	[0..1]	±		819
	Type <Tp>	[0..1]	Text		820

19.1.8.10.8.5.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 985

19.1.8.10.8.5.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 915

19.1.8.10.8.5.3 ProtectedValue <PrctcdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrtctdVal> contains the following elements (see "[ContentInformationType30](#)" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		881
	EnvelopedData <EnvlpdData>	[0..1]	±		881
	AuthenticatedData <AuthntcdData>	[0..1]	±		882
	SignedData <SgndData>	[0..1]	±		883
	DigestedData <DgstdData>	[0..1]	±		884

19.1.8.10.8.5.4 Type <Tp>

Presence: [0..1]

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

Datatype: "[Max1025Text](#)" on page 985

19.1.8.11 ResponseType11

Definition: Response of a requested service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		820
	ResponseReason <RspnRsn>	[0..1]	CodeSet		821
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		822

19.1.8.11.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the requested transaction.

Datatype: "[Response11Code](#)" on page 961

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.

19.1.8.11.2 ResponseReason <RspnRsn>*Presence:* [0..1]*Definition:* Detail of the response.*Datatype:* "RetailerResultDetail1Code" on page 963

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.

19.1.8.11.3 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max140Text" on page 985

19.1.8.12 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		822
	Type <Tp>	[0..1]	Text		822
	Provider <Prvdr>	[0..1]	Text		822

19.1.8.12.1 Identification <Id>

Presence: [0..1]

Definition: Identifier of the component.

Datatype: "Max35Text" on page 987

19.1.8.12.2 Type <Tp>

Presence: [0..1]

Definition: Type of component.

Datatype: "Max70Text" on page 989

19.1.8.12.3 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the component.

Datatype: "Max35Text" on page 987

19.1.8.13 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		823
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		823
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		823
	StartDate <StartDt>	[1..1]	DateTime		823
	EndDate <EndDt>	[0..1]	DateTime		823
	Unit <Unit>	[0..1]	CodeSet		824
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		824
	CurrentAmount <CurAmt>	[0..1]	Amount		824
	Currency <Ccy>	[0..1]	CodeSet	C1	824
	AccessedBy <AccsdBy>	[0..1]	Text		824
	AdditionalInformation <AddtlInf>	[0..1]	Text		824

19.1.8.13.1 CustomerOrderIdentification <CstmrOrdrlId>

Presence: [1..1]

Definition: Identification of a customer order.

Datatype: "Max35Text" on page 987

19.1.8.13.2 SaleReferenceIdentification <SaleRefId>

Presence: [1..1]

Definition: Identification of a Sale transaction for a sequence of related POI transactions.

Datatype: "Max35Text" on page 987

19.1.8.13.3 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 983):

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

19.1.8.13.4 StartDate <StartDt>

Presence: [1..1]

Definition: Date time of the beginning of an operation.

Datatype: "ISODateTime" on page 981

19.1.8.13.5 EndDate <EndDt>

Presence: [0..1]

Definition: Date time of the end of an operation.

Datatype: "ISODateTime" on page 981

19.1.8.13.6 Unit <Unit>

Presence: [0..1]

Definition: Unit of amount.

Datatype: "AmountUnit1Code" on page 926

CodeName	Name	Definition
MONE	Monetary	The amount is expressed in a monetary value in a currency.
POIN	Point	The amount is expressed in point.

19.1.8.13.7 ForecastedAmount <FrcstdAmt>

Presence: [1..1]

Definition: Initial or global amount of the order.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.13.8 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Total amount of all completed transactions of a customer order.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.13.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of monetary amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 918

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.

19.1.8.13.10 AccessedBy <AccsdBy>

Presence: [0..1]

Definition: Identification of an entity accessing data to perform an operation.

Datatype: "Max35Text" on page 987

19.1.8.13.11 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Unqualified information related to customer order.

Datatype: "Max1025Text" on page 985

19.1.8.14 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		825
	CardholderVerificationCapabilities <CrhdldrVrfctnCpblties>	[0..*]	CodeSet		826
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		826
	ApprovalCodeLength <ApprvICdLngh>	[0..1]	Quantity		827
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		827
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		827
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		827
	MessageCapabilities <MsgCpblties>	[0..*]			827
	Destination <Dstn>	[1..*]	CodeSet		828
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		828
	NumberOfLines <NbOfLines>	[0..1]	Quantity		828
	LineWidth <LineWidth>	[0..1]	Quantity		828
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	829

19.1.8.14.1 CardReadingCapabilities <CardRdngCpblties>

Presence: [0..*]

Definition: Card reading capabilities of the POI (Point Of Interaction) performing the transaction.

Datatype: "CardDataReading8Code" on page 932

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.)

19.1.8.14.2 CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>

Presence: [0..*]

Definition: Cardholder verification capabilities of the POI (Point Of Interaction) performing the transaction.

Datatype: "CardholderVerificationCapability4Code" on page 933

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.

19.1.8.14.3 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 983](#)

19.1.8.14.4 ApprovalCodeLength <ApprvlCdLngh>

Presence: [0..1]

Definition: Maximum number of characters of the approval code the POI is able to manage.

Datatype: ["PositiveNumber" on page 983](#)

19.1.8.14.5 MaxScriptLength <MxScrpLngth>

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 983](#)

19.1.8.14.6 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 983](#)):

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

19.1.8.14.7 OnLineCapabilities <OnLineCpblties>

Presence: [0..1]

Definition: On-line and off-line capabilities of the POI (Point Of Interaction).

Datatype: ["OnLineCapability1Code" on page 951](#)

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.

19.1.8.14.8 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		828
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		828
	NumberOfLines <NbOfLines>	[0..1]	Quantity		828
	LineWidth <LineWidth>	[0..1]	Quantity		828
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	829

19.1.8.14.8.1 Destination <Dstn>

Presence: [1..*]

Definition: Destination of the message to present.

Datatype: "UserInterface4Code" on page 980

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.

19.1.8.14.8.2 AvailableFormat <AvlblFrmt>

Presence: [0..*]

Definition: Available message format.

Datatype: "OutputFormat1Code" on page 952

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.

19.1.8.14.8.3 NumberOfLines <NbOfLines>

Presence: [0..1]

Definition: Number of lines of the display.

Datatype: "Number" on page 983

19.1.8.14.8.4 LineWidth <LineWidth>

Presence: [0..1]

Definition: Number of columns of the display or printer.

Datatype: "Number" on page 983

19.1.8.14.8.5 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 948

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.8.15 AggregationTransaction3

Definition: Payment transaction with an aggregated amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		829
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		829
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		829
	IndividualPayment <IndvPmt>	[0..*]			830
	Amount <Amt>	[1..1]	Amount		830
	DateTime <DtTm>	[1..1]	DateTime		830
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		830
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		831
	Label <Labl>	[0..1]	Text		831

19.1.8.15.1 FirstPaymentDateTime <FrstPmtDtTm>

Presence: [0..1]

Definition: Date and time of the first payment.

Datatype: "ISODateTime" on page 981

19.1.8.15.2 LastPaymentDateTime <LastPmtDtTm>

Presence: [0..1]

Definition: Date and time of the last payment.

Datatype: "ISODateTime" on page 981

19.1.8.15.3 NumberOfPayments <NbOfPmts>

Presence: [0..1]

Definition: Total number of payments that has been aggregated.

Datatype: "Number" on page 983

19.1.8.15.4 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		830
	DateTime <DtTm>	[1..1]	DateTime		830
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		830
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		831
	Label <Labl>	[0..1]	Text		831

19.1.8.15.4.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.15.4.2 DateTime <DtTm>

Presence: [1..1]

Definition: Date and time of the payment.

Datatype: "ISODateTime" on page 981

19.1.8.15.4.3 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Card data entry mode for the related payment.

Datatype: "CardDataReading8Code" on page 932

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.)

19.1.8.15.4.4 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data of an integrated circuit card application for the related payment.

Datatype: "Max10000Binary" on page 915

19.1.8.15.4.5 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max140Text" on page 985

19.1.8.16 Product6

Definition: Purchased item.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		832
	ProductCode <PdctCd>	[1..1]	Text		832
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		832
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		832
	ProductQuantity <PdctQty>	[0..1]	Quantity		834
	UnitPrice <UnitPric>	[0..1]	Amount		834
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		834
	ProductAmount <PdctAmt>	[1..1]	Amount		835
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		835
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		835
	TaxType <TaxTp>	[0..1]	Text		835
	ProductDescription <PdctDesc>	[0..1]	Text		835
	DeliveryLocation <DlvryLctn>	[0..1]	Text		835
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		835
	SaleChannel <SaleChanl>	[0..1]	Text		836
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		836

19.1.8.16.1 ItemIdentification <ItmId>

Presence: [0..1]

Definition: Identification of the item inside the purchase transaction.

Datatype: "Max35Text" on page 987

19.1.8.16.2 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 989

19.1.8.16.3 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 989

19.1.8.16.4 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure6Code" on page 978

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.

19.1.8.16.5 ProductQuantity <PdctQty>*Presence:* [0..1]*Definition:* Product quantity.*Datatype:* "DecimalNumber" on page 983**19.1.8.16.6 UnitPrice <UnitPric>***Presence:* [0..1]*Definition:* Price per unit of product.*Datatype:* "ImpliedCurrencyAndAmount" on page 914**19.1.8.16.7 UnitPriceSign <UnitPricSgn>***Presence:* [0..1]*Definition:* Sign of the unit price.*Datatype:* One of the following values must be used (see "PlusOrMinusIndicator" on page 983):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.8.16.8 ProductAmount <PdctAmt>

Presence: [1..1]

Definition: Monetary value of purchased product.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.16.9 ProductAmountSign <PdctAmtSgn>

Presence: [0..1]

Definition: Sign of the product amount.

Datatype: One of the following values must be used (see "PlusOrMinusIndicator" on page 983):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.8.16.10 ValueAddedTax <ValAddedTax>

Presence: [0..1]

Definition: Value added tax amount of the item included in the product amount.

Datatype: "ImpliedCurrencyAndAmount" on page 914

19.1.8.16.11 TaxType <TaxTp>

Presence: [0..1]

Definition: Information on tax paid on the product.

Datatype: "Max35Text" on page 987

19.1.8.16.12 ProductDescription <PdctDesc>

Presence: [0..1]

Definition: Description of the product or item.

Datatype: "Max140Text" on page 985

19.1.8.16.13 DeliveryLocation <DlvryLctn>

Presence: [0..1]

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

Datatype: "Max10Text" on page 985

19.1.8.16.14 DeliveryService <DlvrySvc>

Presence: [0..1]

Definition: Identify the method of delivery or distribution of the item.

Datatype: "AttendanceContext2Code" on page 926

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.

19.1.8.16.15 SaleChannel <SaleChanl>

Presence: [0..1]

Definition: Commercial or distribution channel associated to the line item.

Datatype: "Max70Text" on page 989

19.1.8.16.16 AdditionalProductDescription <AddtlPdctDesc>

Presence: [0..1]

Definition: Additional information related to the line item.

Datatype: "Max256Text" on page 986

19.1.8.17 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		837
	TrailerNumber <TrlrNb>	[0..1]	Text		837
	VehicleTag <VhclTag>	[0..1]	Text		838
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		838
	UnitNumber <UnitNb>	[0..1]	Text		838
	ReplacementCar <RplcmntCar>	[0..1]	Indicator		838
	Odometer <Odmttr>	[0..1]	Quantity		838
	Hubometer <Hbmtr>	[0..1]	Quantity		839
	TrailerHours <TrlrHrs>	[0..1]	Text		839
	ReferHours <RefrHrs>	[0..1]	Text		839
	Maintenanceldentification <Mntncld>	[0..1]	Text		839
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			839
	PAN <PAN>	[0..1]	Text		839
	Track1 <Trck1>	[0..1]	Text		840
	Track2 <Trck2>	[0..1]	Text		840
	Track3 <Trck3>	[0..1]	Text		840
	AdditionalCardData <AddtlCardData>	[0..*]	Text		840
	EntryMode <NtryMd>	[0..1]	CodeSet		840
	AdditionalVehicleData <AddtlVhclData>	[0..*]			841
	Type <Tp>	[0..1]	Text		841
	EntryMode <NtryMd>	[0..1]	CodeSet		841
	Data <Data>	[1..1]	Text		842

19.1.8.17.1 VehicleNumber <VhclNb>

Presence: [0..1]

Definition: Number assigned to the vehicle for identification.

Datatype: "Max35NumericText" on page 987

19.1.8.17.2 TrailerNumber <TrlrNb>

Presence: [0..1]

Definition: Number assigned to the vehicle trailer for identification.

Datatype: "Max35NumericText" on page 987

19.1.8.17.3 VehicleTag <VhclTag>*Presence:* [0..1]*Definition:* Registration tag of the vehicle.*Datatype:* "Max35Text" on page 987**19.1.8.17.4 VehicleTagEntryMode <VhclTagNtryMd>***Presence:* [0..1]*Definition:* Entry mode of the registration tag.*Datatype:* "CardDataReading5Code" on page 932

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.

19.1.8.17.5 UnitNumber <UnitNb>*Presence:* [0..1]*Definition:* Identification of the vehicle in the fleet.*Datatype:* "Max35NumericText" on page 987**19.1.8.17.6 ReplacementCar <RplcmntCar>***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 983):

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

19.1.8.17.7 Odometer <Odmtr>*Presence:* [0..1]*Definition:* Odometer reading value indicating the distance travelled by the vehicle.

Datatype: "DecimalNumber" on page 983

19.1.8.17.8 Hubometer <Hbmtr>

Presence: [0..1]

Definition: Hubometer reading value indicating the distance travelled by the trailer.

Datatype: "DecimalNumber" on page 983

19.1.8.17.9 TrailerHours <TrlrHrs>

Presence: [0..1]

Definition: Number of hours the trailer has been in operation.

Datatype: "Max35Text" on page 987

19.1.8.17.10 ReferHours <RefrHrs>

Presence: [0..1]

Definition: Number of hours the refer unit has been in operation.

Datatype: "Max35Text" on page 987

19.1.8.17.11 MaintenanceIdentification <Mntncld>

Presence: [0..1]

Definition: Identification assigned to the vehicle related to maintenance.

Datatype: "Max35Text" on page 987

19.1.8.17.12 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		839
	Track1 <Trck1>	[0..1]	Text		840
	Track2 <Trck2>	[0..1]	Text		840
	Track3 <Trck3>	[0..1]	Text		840
	AdditionalCardData <AddtlCardData>	[0..*]	Text		840
	EntryMode <NtryMd>	[0..1]	CodeSet		840

19.1.8.17.12.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 990

19.1.8.17.12.2 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 989**19.1.8.17.12.3 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 987**19.1.8.17.12.4 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 985**19.1.8.17.12.5 AdditionalCardData <AddtlCardData>***Presence:* [0..*]*Definition:* Additional card issuer specific data.*Datatype:* "Max35Text" on page 987**19.1.8.17.12.6 EntryMode <NtryMd>***Presence:* [0..1]*Definition:* Entry mode of the card.*Datatype:* "CardDataReading5Code" on page 932

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.

19.1.8.17.13 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		841
	EntryMode <NtryMd>	[0..1]	CodeSet		841
	Data <Data>	[1..1]	Text		842

19.1.8.17.13.1 Type <Tp>

Presence: [0..1]

Definition: Type of information related to the vehicle.

Datatype: "Max35Text" on page 987

19.1.8.17.13.2 EntryMode <NtryMd>

Presence: [0..1]

Definition: Entry mode of the information.

Datatype: "CardDataReading5Code" on page 932

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.

19.1.8.17.13.3 Data <Data>*Presence:* [1..1]*Definition:* Information related to the vehicle.*Datatype:* "Max35Text" on page 987**19.1.8.18 EncapsulatedContent3***Definition:* Data to authenticate.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		842
	Content <Cntt>	[0..1]	Binary		842

19.1.8.18.1 ContentType <CnttTp>*Presence:* [1..1]*Definition:* Type of data which have been authenticated.*Datatype:* "ContentType2Code" on page 938

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).

19.1.8.18.2 Content <Cntt>*Presence:* [0..1]*Definition:* Actual data to authenticate.*Datatype:* "Max100KBinary" on page 915**19.1.8.19 TransactionIdentifier1***Definition:* Identification of the transaction in an unambiguous way.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		843
	TransactionReference <TxRef>	[1..1]	Text		843

19.1.8.19.1 TransactionDateTime <TxDtTm>*Presence:* [1..1]*Definition:* Local date and time of the transaction assigned by the POI (Point Of Interaction).*Datatype:* "ISODateTime" on page 981**19.1.8.19.2 TransactionReference <TxRef>***Presence:* [1..1]*Definition:* Identification of the transaction that has to be unique for a time period.*Datatype:* "Max35Text" on page 987**19.1.9 Monitoring****19.1.9.1 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]	±		843
	ProtocolName <PrtcolNm>	[0..1]	Text		844
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		844
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		844
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		844

19.1.9.1.1 RelayIdentification <RlayId>*Presence:* [1..1]*Definition:* Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification177](#)" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		672
	Type <Tp>	[0..1]	CodeSet		673
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		674
	ShortName <ShrtNm>	[0..1]	Text		674
	RemoteAccess <RmotAccs>	[0..1]	±		674
	Geolocation <Glctn>	[0..1]			674
	GeographicCoordinates <GeogcCordints>	[0..1]			675
	Latitude <Lat>	[1..1]	Text		675
	Longitude <Long>	[1..1]	Text		675
	UTMCoordinates <UTMCordints>	[0..1]			675
	UTMZone <UTMZone>	[1..1]	Text		676
	UTMEastward <UTMEstwrdr>	[1..1]	Text		676
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		676

19.1.9.1.2 ProtocolName <PrtcolNm>

Presence: [0..1]

Definition: Name of the outgoing protocol used by the node.

Datatype: "[Max35Text](#)" on page 987

19.1.9.1.3 ProtocolVersion <PrtcolVrsn>

Presence: [0..1]

Definition: Version of the protocol.

Datatype: "[Max6Text](#)" on page 989

19.1.9.1.4 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 981

19.1.9.1.5 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 981

19.1.9.2 TMSEvent9

Definition: Result of an individual terminal management action performed by the point of interaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TimeStamp <TmStmp>	[1..1]	DateTime		845
	Result <RsIt>	[1..1]	CodeSet		845
	ActionIdentification <ActnId>	[1..1]			846
	ActionType <ActnTp>	[1..1]	CodeSet		846
	DataSetIdentification <DataSetId>	[0..1]	±		847
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		847
	TerminalManagerIdentification <TermnlMgrld>	[0..1]	Text		847
	DeviceResponse <DvcRspn>	[0..1]	±		847

19.1.9.2.1 TimeStamp <TmStmp>

Presence: [1..1]

Definition: Date time of the terminal management action performed by the point of interaction.

Datatype: "ISODatetime" on page 981

19.1.9.2.2 Result <RsIt>

Presence: [1..1]

Definition: Final result of the processed terminal management action.

Datatype: "TerminalManagementActionResult5Code" on page 974

CodeName	Name	Definition
ACCD	AccessDenied	Access is denied while performing the action.
CNTE	ConnectionError	Problem to connect while performing the action.
FMTE	FormatError	Data transferred has a wrong format.
INVC	InvalidContent	Content of the data is invalid.
LENE	LengthError	Data transferred has a wrong length.
OVER	MemoryOverflow	Memory to store the data exceeded.
MISS	MissingFile	Data set to be maintained is missing.
NSUP	NotSupported	Action is not supported.
SIGE	SignatureError	Data transferred has a wrong digital signature.
WARN	SuccessWithWarning	Action was performed but some warnings arose.
SYNE	SyntaxError	Data transferred has a wrong syntax.
TIMO	Timeout	Timeout expired during the data transfer.

CodeName	Name	Definition
UKDT	UnknownData	Data set identification invalid.
UKRF	UnknownKeyReference	Cryptographic key reference used for the data signature is not valid.
INDP	InvalidDelegationProof	Delegation Proof transmitted by the delegated TMS is not the one expected.
IDMP	InvalidDelegationInManagementPlan	One action of the AcceptorManagementPlan refers to an update unauthorized by the delegation.
DPRU	DelegationParametersReceivedUnauthorized	The content analysis of the AcceptorConfigurationUpdate reveals unexpected parameters.
AERR	AnyError	This code value means all TerminalManagementActionResultCode except "Any Error" and "Unlisted Error".
CMER	CommunicationError	Error in communication once the connection has been established.
ULER	UnlistedError	Any error that is not defined by a code value inside the TerminalManagementActionResultCode.
SUCC	Success	Action was successfully performed.

19.1.9.2.3 ActionIdentification <ActnId>

Presence: [1..1]

Definition: Identification of the terminal management action performed by the point of interaction.

ActionIdentification <ActnId> contains the following **TMSActionIdentification8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		846
	DataSetIdentification <DataSetId>	[0..1]	±		847

19.1.9.2.3.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Types of terminal management action performed by a point of interaction.

Datatype: "TerminalManagementAction5Code" on page 974

CodeName	Name	Definition
DCTV	Deactivate	Request to deactivate the element identified inside the message exchange.
DELT	Delete	Request to delete the element identified inside the message exchange.
DWNL	Download	Request to download the element identified inside the message exchange.
INST	Install	Request to install the element identified inside the message exchange.

CodeName	Name	Definition
RSTR	Restart	Request to restart the element identified inside the message exchange.
UPLD	Upload	Request to upload the element identified inside the message exchange.
UPDT	Update	Request to update the element identified inside the message exchange.
BIND	Bind	Request sent to a POI to bind with a server.
RBND	Rebind	Request sent to a POI to rebind with a server.
UBND	Unbind	Request sent to a POI to unbind with a server.
ACTV	Activate	Request to activate the element identified inside the message exchange.
DEVR	DeviceRequest	Request to execute a device request.

19.1.9.2.3.2 DataSetIdentification <DataSetId>

Presence: [0..1]

Definition: Data set on which the action has been performed.

DataSetIdentification <DataSetId> contains the following elements (see "[DataSetIdentification9](#)" on page 721 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		721
	Type <Tp>	[1..1]	CodeSet		721
	Version <Vrsn>	[0..1]	Text		723
	CreationDateTime <CreDtTm>	[0..1]	DateTime		723

19.1.9.2.4 AdditionalErrorInformation <AddtlErrInf>

Presence: [0..1]

Definition: Additional information related to a failure.

Datatype: "[Max70Text](#)" on page 989

19.1.9.2.5 TerminalManagerIdentification <TermnlMgrId>

Presence: [0..1]

Definition: Identification of the terminal management system (TMS) used with the action.

Datatype: "[Max35Text](#)" on page 987

19.1.9.2.6 DeviceResponse <DvcRspn>

Presence: [0..1]

Definition: Response of a device request done previously.

DeviceResponse <DvcRspn> contains the following elements (see "DeviceResponse5" on page 596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		598
	Context <Cntxt>	[0..1]	±		604
	ServiceContent <SvcCntt>	[1..1]	CodeSet		607
	DisplayResponse <DispRspn>	[0..1]			607
	OutputResult <OutptRslt>	[1..*]			608
	DeviceType <DvcTp>	[1..1]	CodeSet		608
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		608
	Response <Rspn>	[1..1]	±		609
	InputResponse <InptRspn>	[0..1]			609
	OutputResult <OutptRslt>	[0..1]			610
	DeviceType <DvcTp>	[1..1]	CodeSet		610
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		611
	Response <Rspn>	[1..1]	±		612
	InputResult <InptRslt>	[1..1]			612
	DeviceType <DvcTp>	[1..1]	CodeSet		612
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		613
	InputResultData <InptRsltData>	[1..1]			613
	InputCommand <InptCmd>	[1..1]	CodeSet		614
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		615
	FunctionKey <FctnKey>	[0..1]	Quantity		615
	InputMessage <InptMsg>	[0..1]	Text		615
	Password <Pwd>	[0..1]	±		615
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			616
	ImageFormat <ImgFrmt>	[1..1]	Text		616
	ImageData <ImgData>	[0..1]	Binary		616
	ImageReference <ImgRef>	[0..1]	Text		616
	AdditionalInformation <AddtlInf>	[0..1]	Text		616
	PrintResponse <PrtRspn>	[0..1]			616
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		616
	SecureInputResponse <ScrInptRspn>	[0..1]			617

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderPIN <CrhdldrPIN>	[0..1]			617
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		618
	PINFormat <PINFrmt>	[1..1]	CodeSet		618
	AdditionalInput <AddtlInpt>	[0..1]	Text		618
	InitialisationCardReaderResponse <InitlstnCardRdrRspn>	[0..1]			618
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		619
	ICCRResetData <ICCRstData>	[0..1]			619
	ATRValue <ATRVal>	[0..1]	Binary		620
	CardStatus <CardSts>	[0..1]	Binary		620
	AdditionalInformation <AddtlInf>	[0..1]	Binary		620
	CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>	[0..1]			620
	Data <Data>	[0..1]	Binary		620
	CardStatus <CardSts>	[1..1]	Binary		620
	TransmissionResponse <TrnsmssnRspn>	[0..1]			621
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		621
	Response <Rspn>	[1..1]	±		621
	SupplementaryData <SplmtryData>	[0..*]	±	C5	621

19.1.10 Network Access

19.1.10.1 NetworkParameters7

Definition: Parameters to communicate with a host.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			850
	NetworkType <NtwkTp>	[1..1]	CodeSet		850
	AddressValue <AdrVal>	[1..1]	Text		850
	UserName <UsrNm>	[0..1]	Text		850
	AccessCode <AccsCd>	[0..1]	Binary		851
	ServerCertificate <SvrCert>	[0..*]	Binary		851
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		851
	ClientCertificate <CIntCert>	[0..*]	Binary		851
	SecurityProfile <SctyPrfl>	[0..1]	Text		851

19.1.10.1.1 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		850
	AddressValue <AdrVal>	[1..1]	Text		850

19.1.10.1.1.1 NetworkType <NtwkTp>

Presence: [1..1]

Definition: Type of communication network.

Datatype: "NetworkType1Code" on page 951

CodeName	Name	Definition
IPNW	InternetProtocol	Protocol of an IP network.
PSTN	PublicTelephone	Protocol of a Public Switched Telephone Network (PSTN).

19.1.10.1.1.2 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 988

19.1.10.1.2 UserName <UsrNm>

Presence: [0..1]

Definition: User name identifying the client.

Datatype: "Max35Text" on page 987

19.1.10.1.3 AccessCode <AccsCd>

Presence: [0..1]

Definition: Password authenticating the client.

Datatype: "Max35Binary" on page 916

19.1.10.1.4 ServerCertificate <SvrCert>

Presence: [0..*]

Definition: X.509 Certificate required to authenticate the server.

Datatype: "Max10KBinary" on page 915

19.1.10.1.5 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 915

19.1.10.1.6 ClientCertificate <CIntCert>

Presence: [0..*]

Definition: X.509 Certificate required to authenticate the client.

Datatype: "Max10KBinary" on page 915

19.1.10.1.7 SecurityProfile <SctyPrfl>

Presence: [0..1]

Definition: Identification of the set of security elements to access the host.

Datatype: "Max35Text" on page 987

19.1.11 Postal Address

19.1.11.1 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		852
	Department <Dept>	[0..1]	Text		852
	SubDepartment <SubDept>	[0..1]	Text		852
	AddressLine <AdrLine>	[0..2]	Text		852
	StreetName <StrtNm>	[0..1]	Text		853
	BuildingNumber <BldgNb>	[0..1]	Text		853
	PostCode <PstCd>	[0..1]	Text		853
	TownName <TwnNm>	[0..1]	Text		853
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		853
	CountryCode <CtryCd>	[0..1]	Text		853

19.1.11.1.1 AddressType <AdrTp>

Presence: [0..1]

Definition: Identifies the nature of the postal address.

Datatype: "AddressType2Code" on page 918

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.

19.1.11.1.2 Department <Dept>

Presence: [0..1]

Definition: Identification of a division of a large organisation or building.

Datatype: "Max70Text" on page 989

19.1.11.1.3 SubDepartment <SubDept>

Presence: [0..1]

Definition: Identification of a sub-division of a large organisation or building.

Datatype: "Max70Text" on page 989

19.1.11.1.4 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 989

19.1.11.1.5 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 989

19.1.11.1.6 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 986

19.1.11.1.7 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 986

19.1.11.1.8 TownName <TwnNm>

Presence: [0..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max70Text" on page 989

19.1.11.1.9 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country such as state, region, county.

Datatype: "Max35Text" on page 987

19.1.11.1.10 CountryCode <CtryCd>

Presence: [0..1]

Definition: Nation with its own government.

Datatype: "Min2Max3AlphaText" on page 990

19.1.12 Secure Element

19.1.12.1 DigestedData5

Definition: Digest computed on the identified data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		854
	DigestAlgorithm <DgstAlgo>	[1..1]	±		854
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		854
	Digest <Dgst>	[1..1]	Binary		854

19.1.12.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 983

19.1.12.1.2 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

DigestAlgorithm <DgstAlgo> contains the following elements (see "AlgorithmIdentification21" on page 903 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		903

19.1.12.1.3 EncapsulatedContent <NcpsltdCntt>

Presence: [1..1]

Definition: Data on which the digest is computed.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "EncapsulatedContent3" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		842
	Content <Cntt>	[0..1]	Binary		842

19.1.12.1.4 Digest <Dgst>

Presence: [1..1]

Definition: Result of data-digesting process.

Datatype: "Max140Binary" on page 915

19.1.12.2 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		855
	Recipient <Rcpt>	[1..*]			855
{Or	KeyTransport <KeyTrnsprt>	[1..1]			856
	Version <Vrsn>	[0..1]	Quantity		857
	RecipientIdentification <RcptId>	[1..1]			857
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			857
	Issuer <Issr>	[1..1]			858
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			858
	AttributeType <AttrTp>	[1..1]	CodeSet		858
	AttributeValue <AttrVal>	[1..1]	Text		859
	SerialNumber <SrlNb>	[1..1]	Binary		859
Or}	KeyIdentifier <Keyldr>	[1..1]	±		859
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		859
	EncryptedKey <NcrptdKey>	[1..1]	Binary		860
Or	KEK <KEK>	[1..1]			860
	Version <Vrsn>	[0..1]	Quantity		860
	KEKIdentification <KEKId>	[1..1]	±		860
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		861
	EncryptedKey <NcrptdKey>	[0..1]	Binary		861
Or}	KeyIdentifier <Keyldr>	[1..1]	±		861
	MACAlgorithm <MACAlgo>	[1..1]	±		862
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		862
	MAC <MAC>	[1..1]	Binary		862

19.1.12.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 983

19.1.12.2.2 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]			856
	Version <Vrsn>	[0..1]	Quantity		857
	RecipientIdentification <RcptId>	[1..1]			857
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			857
	Issuer <Issr>	[1..1]			858
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			858
	AttributeType <AttrTp>	[1..1]	CodeSet		858
	AttributeValue <AttrVal>	[1..1]	Text		859
	SerialNumber <SrlNb>	[1..1]	Binary		859
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		859
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		859
	EncryptedKey <NcrptdKey>	[1..1]	Binary		860
Or	KEK <KEK>	[1..1]			860
	Version <Vrsn>	[0..1]	Quantity		860
	KEKIdentification <KEKId>	[1..1]	±		860
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		861
	EncryptedKey <NcrptdKey>	[0..1]	Binary		861
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		861

19.1.12.2.2.1 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		857
	RecipientIdentification <Rcptld>	[1..1]			857
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			857
	Issuer <Issr>	[1..1]			858
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			858
	AttributeType <AttrTp>	[1..1]	CodeSet		858
	AttributeValue <AttrVal>	[1..1]	Text		859
	SerialNumber <SrlNb>	[1..1]	Binary		859
Or}	KeyIdentifier <Keyldr>	[1..1]	±		859
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		859
	EncryptedKey <NcrptdKey>	[1..1]	Binary		860

19.1.12.2.2.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 983

19.1.12.2.2.1.2 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]			857
	Issuer <Issr>	[1..1]			858
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			858
	AttributeType <AttrTp>	[1..1]	CodeSet		858
	AttributeValue <AttrVal>	[1..1]	Text		859
	SerialNumber <SrlNb>	[1..1]	Binary		859
Or}	KeyIdentifier <Keyldr>	[1..1]	±		859

19.1.12.2.2.1.2.1 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]			858
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			858
	AttributeType <AttrTp>	[1..1]	CodeSet		858
	AttributeValue <AttrVal>	[1..1]	Text		859
	SerialNumber <SrInb>	[1..1]	Binary		859

19.1.12.2.2.1.2.1.1 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..*]			858
	AttributeType <AttrTp>	[1..1]	CodeSet		858
	AttributeValue <AttrVal>	[1..1]	Text		859

19.1.12.2.2.1.2.1.1.1 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		858
	AttributeValue <AttrVal>	[1..1]	Text		859

19.1.12.2.2.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 926

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).

19.1.12.2.2.1.2.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 985

19.1.12.2.2.1.2.1.2 SerialNumber <SrlNb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 916

19.1.12.2.2.1.2.2 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 560 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		560
	KeyVersion <KeyVrsn>	[1..1]	Text		560
	SequenceNumber <SeqNb>	[0..1]	Quantity		560
	DerivationIdentification <DerivtnId>	[0..1]	Binary		560

19.1.12.2.2.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification19" on page 904 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		904
	Parameter <Param>	[0..1]			904
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		905
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		905
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		906

19.1.12.2.2.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 916

19.1.12.2.2.2 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		860
	KEKIdentification <KEKId>	[1..1]	±		860
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		861
	EncryptedKey <NcrptdKey>	[0..1]	Binary		861

19.1.12.2.2.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 983

19.1.12.2.2.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following elements (see "[KEKIdentifier7](#)" on page 560 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		560
	KeyVersion <KeyVrsn>	[1..1]	Text		560
	SequenceNumber <SeqNb>	[0..1]	Quantity		560
	DerivationIdentification <DerivtnId>	[0..1]	Binary		560

19.1.12.2.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "[AlgorithmIdentification29](#)" on page 896 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		896
	Parameter <Param>	[0..1]			898
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		899
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		899
	BytePadding <BPddg>	[0..1]	CodeSet		899

19.1.12.2.2.4 EncryptedKey <NcrptdKey>

Presence: [0..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "[Max500Binary](#)" on page 916

19.1.12.2.2.3 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 560 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		560
	KeyVersion <KeyVrsn>	[1..1]	Text		560
	SequenceNumber <SeqNb>	[0..1]	Quantity		560
	DerivationIdentification <DerivtnId>	[0..1]	Binary		560

19.1.12.2.3 MACAlgorithm <MACAlgo>*Presence:* [1..1]*Definition:* Algorithm to compute message authentication code (MAC).**MACAlgorithm <MACAlgo>** contains the following elements (see "[AlgorithmIdentification22](#)" on page 900 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		900
	Parameter <Param>	[0..1]			902
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		902
	BytePadding <BPddg>	[0..1]	CodeSet		902

19.1.12.2.4 EncapsulatedContent <NcpsltdCntt>*Presence:* [1..1]*Definition:* Data to authenticate.**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "[EncapsulatedContent3](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		842
	Content <Cntt>	[0..1]	Binary		842

19.1.12.2.5 MAC <MAC>*Presence:* [1..1]*Definition:* Message authentication code value.*Datatype:* "[Max140Binary](#)" on page 915**19.1.12.3 EnvelopedData9***Definition:* Encrypted data with encryption key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		863
	OriginatorInformation <OrgtrlInf>	[0..1]			864
	Certificate <Cert>	[0..*]	Binary		864
	Recipient <Rcpt>	[1..*]			864
{Or	KeyTransport <KeyTrnsprt>	[1..1]			865
	Version <Vrsn>	[0..1]	Quantity		866
	RecipientIdentification <RcptId>	[1..1]			866
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			866
	Issuer <Issr>	[1..1]			867
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			867
	AttributeType <AttrTp>	[1..1]	CodeSet		867
	AttributeValue <AttrVal>	[1..1]	Text		868
	SerialNumber <SrlNb>	[1..1]	Binary		868
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		868
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		868
	EncryptedKey <NcrptdKey>	[1..1]	Binary		869
Or	KEK <KEK>	[1..1]			869
	Version <Vrsn>	[0..1]	Quantity		869
	KEKIdentification <KEKId>	[1..1]	±		869
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		870
	EncryptedKey <NcrptdKey>	[0..1]	Binary		870
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		870
	EncryptedContent <NcrptdCntt>	[0..1]			871
	ContentType <CnttTp>	[1..1]	CodeSet		871
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		871
	EncryptedData <NcrptdData>	[1..1]	Binary		872

19.1.12.3.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 983

19.1.12.3.2 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		864

19.1.12.3.2.1 Certificate <Cert>*Presence:* [0..*]*Definition:* It may contain originator certificates associated with several different key management algorithms.*Datatype:* "Max5000Binary" on page 916**19.1.12.3.3 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]			865
	Version <Vrsn>	[0..1]	Quantity		866
	RecipientIdentification <RcptId>	[1..1]			866
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			866
	Issuer <Issr>	[1..1]			867
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			867
	AttributeType <AttrTp>	[1..1]	CodeSet		867
	AttributeValue <AttrVal>	[1..1]	Text		868
	SerialNumber <SrlNb>	[1..1]	Binary		868
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		868
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		868
	EncryptedKey <NcrptdKey>	[1..1]	Binary		869
Or	KEK <KEK>	[1..1]			869
	Version <Vrsn>	[0..1]	Quantity		869
	KEKIdentification <KEKId>	[1..1]	±		869
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		870
	EncryptedKey <NcrptdKey>	[0..1]	Binary		870
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		870

19.1.12.3.3.1 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		866
	RecipientIdentification <Rcptld>	[1..1]			866
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			866
	Issuer <Issr>	[1..1]			867
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			867
	AttributeType <AttrTp>	[1..1]	CodeSet		867
	AttributeValue <AttrVal>	[1..1]	Text		868
	SerialNumber <SrlNb>	[1..1]	Binary		868
Or}	KeyIdentifier <Keyldr>	[1..1]	±		868
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		868
	EncryptedKey <NcrptdKey>	[1..1]	Binary		869

19.1.12.3.3.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 983

19.1.12.3.3.1.2 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]			866
	Issuer <Issr>	[1..1]			867
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			867
	AttributeType <AttrTp>	[1..1]	CodeSet		867
	AttributeValue <AttrVal>	[1..1]	Text		868
	SerialNumber <SrlNb>	[1..1]	Binary		868
Or}	KeyIdentifier <Keyldr>	[1..1]	±		868

19.1.12.3.3.1.2.1 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]			867
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			867
	AttributeType <AttrTp>	[1..1]	CodeSet		867
	AttributeValue <AttrVal>	[1..1]	Text		868
	SerialNumber <SrInb>	[1..1]	Binary		868

19.1.12.3.3.1.2.1.1 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..*]			867
	AttributeType <AttrTp>	[1..1]	CodeSet		867
	AttributeValue <AttrVal>	[1..1]	Text		868

19.1.12.3.3.1.2.1.1.1 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		867
	AttributeValue <AttrVal>	[1..1]	Text		868

19.1.12.3.3.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 926

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).

19.1.12.3.3.1.2.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 985

19.1.12.3.3.1.2.1.2 SerialNumber <SrlNb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 916

19.1.12.3.3.1.2.2 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 560 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		560
	KeyVersion <KeyVrsn>	[1..1]	Text		560
	SequenceNumber <SeqNb>	[0..1]	Quantity		560
	DerivationIdentification <DerivtnId>	[0..1]	Binary		560

19.1.12.3.3.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification19" on page 904 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		904
	Parameter <Param>	[0..1]			904
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		905
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		905
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		906

19.1.12.3.3.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 916

19.1.12.3.3.2 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		869
	KEKIdentification <KEKId>	[1..1]	±		869
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		870
	EncryptedKey <NcrptdKey>	[0..1]	Binary		870

19.1.12.3.3.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 983

19.1.12.3.3.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following elements (see "[KEKIdentifier7](#)" on page 560 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		560
	KeyVersion <KeyVrsn>	[1..1]	Text		560
	SequenceNumber <SeqNb>	[0..1]	Quantity		560
	DerivationIdentification <DerivtnId>	[0..1]	Binary		560

19.1.12.3.3.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "[AlgorithmIdentification29](#)" on page 896 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		896
	Parameter <Param>	[0..1]			898
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		899
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		899
	BytePadding <BPddg>	[0..1]	CodeSet		899

19.1.12.3.3.2.4 EncryptedKey <NcrptdKey>

Presence: [0..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "[Max500Binary](#)" on page 916

19.1.12.3.3.3 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 560 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		560
	KeyVersion <KeyVrsn>	[1..1]	Text		560
	SequenceNumber <SeqNb>	[0..1]	Quantity		560
	DerivationIdentification <DerivtnId>	[0..1]	Binary		560

19.1.12.3.4 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		871
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		871
	EncryptedData <NcrptdData>	[1..1]	Binary		872

19.1.12.3.4.1 ContentType <CnttTp>*Presence:* [1..1]*Definition:* Type of data which have been encrypted.*Datatype:* "ContentType2Code" on page 938

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).

19.1.12.3.4.2 ContentEncryptionAlgorithm <CnttNcrptnAlgo>*Presence:* [0..1]*Definition:* Algorithm used to encrypt the data.**ContentEncryptionAlgorithm <CnttNcrptnAlgo>** contains the following elements (see "AlgorithmIdentification29" on page 896 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		896
	Parameter <Param>	[0..1]			898
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		899
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		899
	BytePadding <BPddg>	[0..1]	CodeSet		899

19.1.12.3.4.3 EncryptedData <NcrptdData>*Presence:* [1..1]*Definition:* Encrypted data, result of the content encryption.*Datatype:* "Max100KBinary" on page 915**19.1.12.4 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		872
	DigestAlgorithm <DgstAlgo>	[0..*]	±		873
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		873
	Certificate <Cert>	[0..*]	Binary		873
	Signer <Sgnr>	[0..*]			873
	Version <Vrsn>	[0..1]	Quantity		874
	SignerIdentification <SgnrId>	[0..1]			874
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			875
	Issuer <Issr>	[1..1]			875
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			875
	AttributeType <AttrTp>	[1..1]	CodeSet		876
	AttributeValue <AttrVal>	[1..1]	Text		876
	SerialNumber <SrlNb>	[1..1]	Binary		876
Or}	KeyIdentifier <Keyldr>	[1..1]	±		876
	DigestAlgorithm <DgstAlgo>	[1..1]	±		877
	SignedAttributes <SgndAttrbts>	[0..*]			877
	Name <Nm>	[1..1]	Text		877
	Value <Val>	[0..1]	Text		877
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		877
	Signature <Sgntr>	[1..1]	Binary		878

19.1.12.4.1 Version <Vrsn>*Presence:* [0..1]*Definition:* Version of the data structure.*Datatype:* "Number" on page 983

19.1.12.4.2 DigestAlgorithm <DgstAlgo>*Presence:* [0..*]*Definition:* Identification of digest algorithm applied before signature.**DigestAlgorithm <DgstAlgo>** contains the following elements (see "[AlgorithmIdentification21](#)" on page 903 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		903

19.1.12.4.3 EncapsulatedContent <NcpsltdCntt>*Presence:* [0..1]*Definition:* Data to sign.**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "[EncapsulatedContent3](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		842
	Content <Cntt>	[0..1]	Binary		842

19.1.12.4.4 Certificate <Cert>*Presence:* [0..*]*Definition:* Chain of X.509 certificates.*Datatype:* "[Max5000Binary](#)" on page 916**19.1.12.4.5 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		874
	SignerIdentification <SgnrId>	[0..1]			874
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			875
	Issuer <Issr>	[1..1]			875
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			875
	AttributeType <AttrTp>	[1..1]	CodeSet		876
	AttributeValue <AttrVal>	[1..1]	Text		876
	SerialNumber <SrlNb>	[1..1]	Binary		876
Or}	KeyIdentifier <Keyldr>	[1..1]	±		876
	DigestAlgorithm <DgstAlgo>	[1..1]	±		877
	SignedAttributes <SgndAttrbts>	[0..*]			877
	Name <Nm>	[1..1]	Text		877
	Value <Val>	[0..1]	Text		877
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		877
	Signature <Sgntr>	[1..1]	Binary		878

19.1.12.4.5.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the Cryptographic Message Syntax (CMS) data structure.

Datatype: "Number" on page 983

19.1.12.4.5.2 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]			875
	Issuer <Issr>	[1..1]			875
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			875
	AttributeType <AttrTp>	[1..1]	CodeSet		876
	AttributeValue <AttrVal>	[1..1]	Text		876
	SerialNumber <SrlNb>	[1..1]	Binary		876
Or}	KeyIdentifier <Keyldr>	[1..1]	±		876

19.1.12.4.5.2.1 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]			875
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			875
	AttributeType <AttrTp>	[1..1]	CodeSet		876
	AttributeValue <AttrVal>	[1..1]	Text		876
	SerialNumber <SrlNb>	[1..1]	Binary		876

19.1.12.4.5.2.1.1 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..*]			875
	AttributeType <AttrTp>	[1..1]	CodeSet		876
	AttributeValue <AttrVal>	[1..1]	Text		876

19.1.12.4.5.2.1.1.1 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		876
	AttributeValue <AttrVal>	[1..1]	Text		876

19.1.12.4.5.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 926

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).

19.1.12.4.5.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 985

19.1.12.4.5.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 916

19.1.12.4.5.2.2 KeyIdentifier <Keyldr>

Presence: [1..1]

Definition: Identifier of a cryptographic asymmetric key, previously exchanged between initiator and recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "[KEKIdentifier7](#)" on page 560 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		560
	KeyVersion <KeyVrsn>	[1..1]	Text		560
	SequenceNumber <SeqNb>	[0..1]	Quantity		560
	DerivationIdentification <DerivtnId>	[0..1]	Binary		560

19.1.12.4.5.3 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 903 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		903

19.1.12.4.5.4 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		877
	Value <Val>	[0..1]	Text		877

19.1.12.4.5.4.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "[Max70Text](#)" on page 989

19.1.12.4.5.4.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "[Max140Text](#)" on page 985

19.1.12.4.5.5 SignatureAlgorithm <SgntrAlgo>

Presence: [1..1]

Definition: Cryptographic digital signature algorithm.

SignatureAlgorithm <SgntrAlgo> contains the following elements (see "AlgorithmIdentification30" on page 892 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		892
	Parameter <Param>	[0..1]			893
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		894
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			895
	Algorithm <Algo>	[1..1]	CodeSet		895
	Parameter <Param>	[0..1]			895
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		895
	SaltLength <SaltLngh>	[0..1]	Quantity		896
	TrailerField <TrlrFld>	[0..1]	Quantity		896
	OIDCurveName <OIDCrvNm>	[0..1]	Text		896

19.1.12.4.5.6 Signature <Sgntr>

Presence: [1..1]

Definition: Digital signature.

Datatype: "Max3000Binary" on page 916

19.1.12.5 ContentInformationType32

Definition: General cryptographic message syntax (CMS) containing encrypted data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		878
	EnvelopedData <EnvlpdData>	[1..1]	±		879

19.1.12.5.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 938

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).

19.1.12.5.2 EnvelopedData <EnvlpdData>

Presence: [1..1]

Definition: Data protection by encryption or by a digital envelope, with an encryption key.

EnvelopedData <EnvlpdData> contains the following elements (see "EnvelopedData9" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		863
	OriginatorInformation <OrgtrlInf>	[0..1]			864
	Certificate <Cert>	[0..*]	Binary		864
	Recipient <Rcpt>	[1..*]			864
{Or	KeyTransport <KeyTrnsprt>	[1..1]			865
	Version <Vrsn>	[0..1]	Quantity		866
	RecipientIdentification <RcptId>	[1..1]			866
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			866
	Issuer <Issr>	[1..1]			867
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			867
	AttributeType <AttrTp>	[1..1]	CodeSet		867
	AttributeValue <AttrVal>	[1..1]	Text		868
	SerialNumber <SrlNb>	[1..1]	Binary		868
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		868
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		868
	EncryptedKey <NcrptdKey>	[1..1]	Binary		869
Or	KEK <KEK>	[1..1]			869
	Version <Vrsn>	[0..1]	Quantity		869
	KEKIdentification <KEKId>	[1..1]	±		869
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		870
	EncryptedKey <NcrptdKey>	[0..1]	Binary		870
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		870
	EncryptedContent <NcrptdCntt>	[0..1]			871
	ContentType <CnttTp>	[1..1]	CodeSet		871
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		871
	EncryptedData <NcrptdData>	[1..1]	Binary		872

19.1.12.6 ContentInformationType30

Definition: General cryptographic message syntax (CMS) containing protected data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		881
	EnvelopedData <EnvlpdData>	[0..1]	±		881
	AuthenticatedData <AuthntcdData>	[0..1]	±		882
	SignedData <SgndData>	[0..1]	±		883
	DigestedData <Dgstddata>	[0..1]	±		884

19.1.12.6.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 938

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).

19.1.12.6.2 EnvelopedData <EnvlpdData>

Presence: [0..1]

Definition: Data protection by encryption, with a session key.

EnvelopedData <EnvpdData> contains the following elements (see "EnvelopedData9" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		863
	OriginatorInformation <OrgtrlInf>	[0..1]			864
	Certificate <Cert>	[0..*]	Binary		864
	Recipient <Rcpt>	[1..*]			864
{Or	KeyTransport <KeyTrnsprt>	[1..1]			865
	Version <Vrsn>	[0..1]	Quantity		866
	RecipientIdentification <RcptId>	[1..1]			866
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			866
	Issuer <Issr>	[1..1]			867
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			867
	AttributeType <AttrTp>	[1..1]	CodeSet		867
	AttributeValue <AttrVal>	[1..1]	Text		868
	SerialNumber <SrlNb>	[1..1]	Binary		868
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		868
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		868
	EncryptedKey <NcrptdKey>	[1..1]	Binary		869
Or	KEK <KEK>	[1..1]			869
	Version <Vrsn>	[0..1]	Quantity		869
	KEKIdentification <KEKId>	[1..1]	±		869
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		870
	EncryptedKey <NcrptdKey>	[0..1]	Binary		870
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		870
	EncryptedContent <NcrptdCntt>	[0..1]			871
	ContentType <CnttTp>	[1..1]	CodeSet		871
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		871
	EncryptedData <NcrptdData>	[1..1]	Binary		872

19.1.12.6.3 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData8" on page 854 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		855
	Recipient <Rcpt>	[1..*]			855
{Or	KeyTransport <KeyTrnsprt>	[1..1]			856
	Version <Vrsn>	[0..1]	Quantity		857
	RecipientIdentification <RcptId>	[1..1]			857
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			857
	Issuer <Issr>	[1..1]			858
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			858
	AttributeType <AttrTp>	[1..1]	CodeSet		858
	AttributeValue <AttrVal>	[1..1]	Text		859
	SerialNumber <SrlNb>	[1..1]	Binary		859
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		859
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		859
	EncryptedKey <NcrptdKey>	[1..1]	Binary		860
Or	KEK <KEK>	[1..1]			860
	Version <Vrsn>	[0..1]	Quantity		860
	KEKIdentification <KEKId>	[1..1]	±		860
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		861
	EncryptedKey <NcrptdKey>	[0..1]	Binary		861
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		861
	MACAlgorithm <MACAlgo>	[1..1]	±		862
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		862
	MAC <MAC>	[1..1]	Binary		862

19.1.12.6.4 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData7" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		872
	DigestAlgorithm <DgstAlgo>	[0..*]	±		873
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		873
	Certificate <Cert>	[0..*]	Binary		873
	Signer <Sgnr>	[0..*]			873
	Version <Vrsn>	[0..1]	Quantity		874
	SignerIdentification <SgnrId>	[0..1]			874
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			875
	Issuer <Issr>	[1..1]			875
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			875
	AttributeType <AttrTp>	[1..1]	CodeSet		876
	AttributeValue <AttrVal>	[1..1]	Text		876
	SerialNumber <SrlNb>	[1..1]	Binary		876
Or}	KeyIdentifier <Keyldr>	[1..1]	±		876
	DigestAlgorithm <DgstAlgo>	[1..1]	±		877
	SignedAttributes <SgndAttrbts>	[0..*]			877
	Name <Nm>	[1..1]	Text		877
	Value <Val>	[0..1]	Text		877
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		877
	Signature <Sgntr>	[1..1]	Binary		878

19.1.12.6.5 DigestedData <DgstddData>

Presence: [0..1]

Definition: Data protected by a digest.

DigestedData <DgstddData> contains the following elements (see "DigestedData5" on page 853 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		854
	DigestAlgorithm <DgstAlgo>	[1..1]	±		854
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		854
	Digest <Dgst>	[1..1]	Binary		854

19.1.12.7 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		885
	AuthenticatedData <AuthntcdData>	[0..1]	±		885
	SignedData <SgndData>	[0..1]	±		886

19.1.12.7.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 938

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).

19.1.12.7.2 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData8" on page 854 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		855
	Recipient <Rcpt>	[1..*]			855
{Or	KeyTransport <KeyTrnsprt>	[1..1]			856
	Version <Vrsn>	[0..1]	Quantity		857
	RecipientIdentification <RcptId>	[1..1]			857
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			857
	Issuer <Issr>	[1..1]			858
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			858
	AttributeType <AttrTp>	[1..1]	CodeSet		858
	AttributeValue <AttrVal>	[1..1]	Text		859
	SerialNumber <SrlNb>	[1..1]	Binary		859
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		859
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		859
	EncryptedKey <NcrptdKey>	[1..1]	Binary		860
Or	KEK <KEK>	[1..1]			860
	Version <Vrsn>	[0..1]	Quantity		860
	KEKIdentification <KEKId>	[1..1]	±		860
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		861
	EncryptedKey <NcrptdKey>	[0..1]	Binary		861
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		861
	MACAlgorithm <MACAlgo>	[1..1]	±		862
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		862
	MAC <MAC>	[1..1]	Binary		862

19.1.12.7.3 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData7" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		872
	DigestAlgorithm <DgstAlgo>	[0..*]	±		873
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		873
	Certificate <Cert>	[0..*]	Binary		873
	Signer <Sgnr>	[0..*]			873
	Version <Vrsn>	[0..1]	Quantity		874
	SignerIdentification <SgnrId>	[0..1]			874
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			875
	Issuer <Issr>	[1..1]			875
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			875
	AttributeType <AttrTp>	[1..1]	CodeSet		876
	AttributeValue <AttrVal>	[1..1]	Text		876
	SerialNumber <SrlNb>	[1..1]	Binary		876
Or}	KeyIdentifier <Keyldr>	[1..1]	±		876
	DigestAlgorithm <DgstAlgo>	[1..1]	±		877
	SignedAttributes <SgndAttrbts>	[0..*]			877
	Name <Nm>	[1..1]	Text		877
	Value <Val>	[0..1]	Text		877
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		877
	Signature <Sgntr>	[1..1]	Binary		878

19.1.12.8 CryptographicKey16

Definition: Cryptographic Key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		888
	AdditionalIdentification <AddtlId>	[0..1]	Binary		888
	Name <Nm>	[0..1]	Text		888
	SecurityProfile <SctyPrfl>	[0..1]	Text		889
	ItemNumber <ItmNb>	[0..1]	Text		889
	Version <Vrsn>	[1..1]	Text		889
	Type <Tp>	[0..1]	CodeSet		889
	Function <Fctn>	[0..*]	CodeSet		890
	ActivationDate <ActvtnDt>	[0..1]	DateTime		890
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		890
	KeyValue <KeyVal>	[0..1]	±		891
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		891
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			891
	Name <Nm>	[1..1]	Text		891
	Value <Val>	[0..1]	Text		891

19.1.12.8.1 Identification <Id>

Presence: [1..1]

Definition: Name of the cryptographic key.

Datatype: "Max350Text" on page 987

19.1.12.8.2 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 916

19.1.12.8.3 Name <Nm>

Presence: [0..1]

Definition: Name of the Cryptographic Element.

Datatype: "Max256Text" on page 986

19.1.12.8.4 SecurityProfile <SctyPrfl>*Presence:* [0..1]*Definition:* Identification of the set of security elements to which this element belongs.*Datatype:* "Max35Text" on page 987**19.1.12.8.5 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 987**19.1.12.8.6 Version <Vrsn>***Presence:* [1..1]*Definition:* Version of the cryptographic key.*Datatype:* "Max256Text" on page 986**19.1.12.8.7 Type <Tp>***Presence:* [0..1]*Definition:* Type of algorithm used by the cryptographic key.*Datatype:* "CryptographicKeyType3Code" on page 939

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).

19.1.12.8.8 Function <Fctn>*Presence:* [0..*]*Definition:* Allowed usage of the key.*Datatype:* "KeyUsage1Code" on page 947

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.

19.1.12.8.9 ActivationDate <ActvtnDt>*Presence:* [0..1]*Definition:* Date and time on which the key must be activated.*Datatype:* "ISODatetime" on page 981**19.1.12.8.10 DeactivationDate <DeactvtnDt>***Presence:* [0..1]*Definition:* Date and time on which the key must be deactivated.*Datatype:* "ISODatetime" on page 981

19.1.12.8.11 KeyValue <KeyVal>*Presence:* [0..1]*Definition:* Encrypted cryptographic key.**KeyValue <KeyVal>** contains the following elements (see "[ContentInformationType30](#)" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		881
	EnvelopedData <EnvlpdData>	[0..1]	±		881
	AuthenticatedData <AuthntcdData>	[0..1]	±		882
	SignedData <SgndData>	[0..1]	±		883
	DigestedData <DgstdData>	[0..1]	±		884

19.1.12.8.12 KeyCheckValue <KeyChckVal>*Presence:* [0..1]*Definition:* Value for checking a cryptographic key security parameter.*Datatype:* "[Max35Binary](#)" on page 916**19.1.12.8.13 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		891
	Value <Val>	[0..1]	Text		891

19.1.12.8.13.1 Name <Nm>*Presence:* [1..1]*Definition:* Name of the generic information to exchange.*Datatype:* "[Max70Text](#)" on page 989**19.1.12.8.13.2 Value <Val>***Presence:* [0..1]*Definition:* Value of the generic information to exchange.*Datatype:* "[Max140Text](#)" on page 985

19.1.12.9 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		892
	Parameter <Param>	[0..1]			893
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		894
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			895
	Algorithm <Algo>	[1..1]	CodeSet		895
	Parameter <Param>	[0..1]			895
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		895
	SaltLength <SaltLngth>	[0..1]	Quantity		896
	TrailerField <TrlrFld>	[0..1]	Quantity		896
	OIDCurveName <OIDCrvNm>	[0..1]	Text		896

19.1.12.9.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm25Code" on page 924

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.

19.1.12.9.2 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		894
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			895
	Algorithm <Algo>	[1..1]	CodeSet		895
	Parameter <Param>	[0..1]			895
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		895
	SaltLength <SaltLngth>	[0..1]	Quantity		896
	TrailerField <TrlrFld>	[0..1]	Quantity		896
	OIDCurveName <OIDCrvNm>	[0..1]	Text		896

19.1.12.9.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 919

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).

19.1.12.9.2.2 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		895
	Parameter <Param>	[0..1]			895
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		895

19.1.12.9.2.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 925

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).

19.1.12.9.2.2.2 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		895

19.1.12.9.2.2.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm11Code" on page 918

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).

19.1.12.9.2.3 SaltLength <SaltLngth>

Presence: [0..1]

Definition: Length of the salt to include in the signature.

Datatype: "Number" on page 983

19.1.12.9.2.4 TrailerField <TrlrFld>

Presence: [0..1]

Definition: Trailer field number.

Datatype: "Number" on page 983

19.1.12.9.2.5 OIDCurveName <OIDCrvNm>

Presence: [0..1]

Definition: Name of the Elliptic Curve according to the OID notation.

Datatype: "Max140Text" on page 985

19.1.12.10 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		896
	Parameter <Param>	[0..1]			898
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		899
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		899
	BytePadding <BPddg>	[0..1]	CodeSet		899

19.1.12.10.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm24Code" on page 922

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).

19.1.12.10.2 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		899
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		899
	BytePadding <BPddg>	[0..1]	CodeSet		899

19.1.12.10.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 942

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.

19.1.12.10.2.2 InitialisationVector <InitlstrVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 916

19.1.12.10.2.3 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 931

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.

19.1.12.11 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		900
	Parameter <Param>	[0..1]			902
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		902
	BytePadding <BPddg>	[0..1]	CodeSet		902

19.1.12.11.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the MAC algorithm.

Datatype: "Algorithm17Code" on page 920

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).

19.1.12.11.2 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		902
	BytePadding <BPddg>	[0..1]	CodeSet		902

19.1.12.11.2.1 InitialisationVector <InitIstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 916

19.1.12.11.2.2 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 931

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.

19.1.12.12 AlgorithmIdentification21

Definition: Cryptographic algorithm and parameters of digests.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		903

19.1.12.12.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 919

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).

19.1.12.13 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		904
	Parameter <Param>	[0..1]			904
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		905
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		905
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		906

19.1.12.13.1 Algorithm <Algo>

Presence: [1..1]

Definition: Asymmetric encryption algorithm of a transport key.

Datatype: "Algorithm7Code" on page 925

CodeName	Name	Definition
ERSA	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSAO	RSAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

19.1.12.13.2 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		905
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		905
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		906

19.1.12.13.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 942

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.

19.1.12.13.2.2 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 919

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).

19.1.12.13.2.3 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following elements (see "AlgorithmIdentification18" on page 906 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		906
	Parameter <Param>	[0..1]			907
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		907

19.1.12.14 AlgorithmIdentification18

Definition: Mask generator function cryptographic algorithm and parameters.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		906
	Parameter <Param>	[0..1]			907
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		907

19.1.12.14.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 925

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).

19.1.12.14.2 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		907

19.1.12.14.2.1 DigestAlgorithm <DgstAlgo>*Presence:* [0..1]*Definition:* Digest algorithm used in the mask generator function.*Datatype:* "Algorithm16Code" on page 919

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).

19.1.13 Structured Postal Address

19.1.13.1 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		908
	PostCodeIdentification <PstCdId>	[1..1]	Text		908
	TownName <TwnNm>	[1..1]	Text		908
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		908
	Country <Ctry>	[1..1]	CodeSet	C3	908

19.1.13.1.1 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 989

19.1.13.1.2 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 986

19.1.13.1.3 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 987

19.1.13.1.4 CountrySubDivision <CtrySubDvsn>

Presence: [0..1]

Definition: Identifies a subdivision of a country for example, state, region, county.

Datatype: "Max35Text" on page 987

19.1.13.1.5 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 938

Constraints

- **Country**

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

19.1.14 Token

19.1.14.1 Token1

Definition: Unencrypted sensitive data of a token.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		909
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		909
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		909
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		909
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		910
	TokenInitiatedIndicator <TknInittlnd>	[0..1]	Indicator		910

19.1.14.1.1 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "Max19NumericText" on page 986

19.1.14.1.2 TokenExpiryDate <TknXpryDt>

Presence: [0..1]

Definition: Expiry date of the payment token.

ISO 8583 bit 14.

Datatype: "Exact4NumericText" on page 984

19.1.14.1.3 TokenRequestorIdentification <TknRqstrld>

Presence: [0..1]

Definition: Identification of a party requesting a token.

Datatype: "Max11NumericText" on page 985

19.1.14.1.4 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Supporting information for the Token Assurance Method.

Datatype: "Max140Text" on page 985

19.1.14.1.5 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 987**19.1.14.1.6 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 983):

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

19.1.14.2 MerchantToken2*Definition:* Merchant token information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		910
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		910
	TokenCharacteristic <TknChrtc>	[0..*]	Text		911
	TokenRequestor <TknRqstr>	[0..1]			911
	ProviderIdentification <PrvdrlId>	[1..1]	Text		911
	RequestorIdentification <RqstrId>	[1..1]	Text		911
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		911
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		911
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		911
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		912

19.1.14.2.1 Token <Tkn>*Presence:* [0..1]*Definition:* Surrogate value of the PAN.*Datatype:* "Max35Text" on page 987**19.1.14.2.2 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 985

19.1.14.2.3 TokenCharacteristic <TknChrtc>*Presence:* [0..*]*Definition:* Additional payment token information.*Datatype:* "Max35Text" on page 987**19.1.14.2.4 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		911
	RequestorIdentification <RqstrId>	[1..1]	Text		911

19.1.14.2.4.1 ProviderIdentification <PrvdrId>*Presence:* [1..1]*Definition:* Identifier of the token provider.*Datatype:* "Max35Text" on page 987**19.1.14.2.4.2 RequestorIdentification <RqstrId>***Presence:* [1..1]*Definition:* Identifier of the token requestor.*Datatype:* "Max35Text" on page 987**19.1.14.2.5 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 983**19.1.14.2.6 TokenAssuranceData <TknAssrncData>***Presence:* [0..1]*Definition:* Information about the identification and verification of the cardholder.*Datatype:* "Max500Binary" on page 916**19.1.14.2.7 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 987

19.1.14.2.8 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 983):

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

19.1.14.3 CardPaymentToken5*Definition:* Payment token information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		912
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		912
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		912
	TokenCharacteristic <TknChrtc>	[0..*]	Text		913
	TokenRequestor <TknRqstr>	[0..1]			913
	ProviderIdentification <PrvdrlId>	[1..1]	Text		913
	RequestorIdentification <RqstrId>	[1..1]	Text		913
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		913
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		913
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		913
	TokenInitiatedIndicator <TknInittndInd>	[0..1]	Indicator		914

19.1.14.3.1 Token <Tkn>*Presence:* [0..1]*Definition:* Surrogate value of the PAN.*Datatype:* "Min8Max28NumericText" on page 990**19.1.14.3.2 CardSequenceNumber <CardSeqNb>***Presence:* [0..1]*Definition:* Identify a payment token inside a set of cards with the same PAN.*Datatype:* "Min2Max3NumericText" on page 990**19.1.14.3.3 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 985

19.1.14.3.4 TokenCharacteristic <TknChrtc>*Presence:* [0..*]*Definition:* Additional payment token information.*Datatype:* "Max35Text" on page 987**19.1.14.3.5 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		913
	RequestorIdentification <RqstrId>	[1..1]	Text		913

19.1.14.3.5.1 ProviderIdentification <PrvdrId>*Presence:* [1..1]*Definition:* Identifier of the token provider.*Datatype:* "Max35Text" on page 987**19.1.14.3.5.2 RequestorIdentification <RqstrId>***Presence:* [1..1]*Definition:* Identifier of the token requestor.*Datatype:* "Max35Text" on page 987**19.1.14.3.6 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 983**19.1.14.3.7 TokenAssuranceData <TknAssrncData>***Presence:* [0..1]*Definition:* Information about the identification and verification of the cardholder.*Datatype:* "Max500Binary" on page 916**19.1.14.3.8 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 987

19.1.14.3.9 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 983](#)):

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

19.2 Message Datatypes**19.2.1 Amount****19.2.1.1 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 939

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.

19.2.1.2 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

19.2.2 Binary

19.2.2.1 Max10000Binary

Definition: Specifies a binary string with a maximum length of 10000 binary bytes.

Type: Binary

Format

minLength	1
maxLength	10000

19.2.2.2 Max100KBinary

Definition: Binary data of 100K maximum.

Type: Binary

Format

minLength	1
maxLength	102400

19.2.2.3 Max10KBinary

Definition: Binary data of 10K maximum.

Type: Binary

Format

minLength	1
maxLength	10240

19.2.2.4 Max140Binary

Definition: Specifies a binary string with a maximum length of 140 binary bytes.

Type: Binary

Format

minLength	1
maxLength	140

19.2.2.5 Max2KBinary

Definition: Binary data of 2K maximum.

Type: Binary

Format

minLength	1
maxLength	2048

19.2.2.6 Max2MBBinary

Definition: Binary data of 2MB maximum.

Type: Binary

Format

minLength	1
maxLength	2097152

19.2.2.7 Max3000Binary

Definition: Specifies a binary string with a maximum length of 3000 binary bytes.

Type: Binary

Format

minLength	1
maxLength	3000

19.2.2.8 Max35Binary

Definition: Specifies a binary string with a maximum length of 35 binary bytes.

Type: Binary

Format

minLength	1
maxLength	35

19.2.2.9 Max5000Binary

Definition: Specifies a binary string with a maximum length of 5000 binary bytes.

Type: Binary

Format

minLength	1
maxLength	5000

19.2.2.10 Max500Binary

Definition: Specifies a binary string with a maximum length of 500 binary bytes.

Type: Binary

Format

minLength	1
maxLength	500

19.2.2.11 Min1Max256Binary

Definition: Specifies a binary string with a minimum length of 1 byte, and a maximum length of 256 bytes.

Type: Binary

Format

minLength	1
maxLength	256

19.2.3 CodeSet**19.2.3.1 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.
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.

CodeName	Name	Definition
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.

19.2.3.2 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.

19.2.3.3 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.
MLTO	MailTo	Address is the address to which mail is sent.
DLVY	DeliveryTo	Address is the address to which delivery is to take place.

19.2.3.4 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).

19.2.3.5 Algorithm16Code

Definition: Identification of a digest algorithm.*Type:* CodeSet

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).

CodeName	Name	Definition
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

19.2.3.6 Algorithm17Code

Definition: Cryptographic algorithms for the MAC (Message Authentication Code).

Type: CodeSet

CodeName	Name	Definition
MACC	RetailCBCMAC	Retail CBC (Chaining Block Cypher) MAC (Message Authentication Code) (cf. ISO 9807, ANSI X9.19) - (ASN.1 Object Identifier: id-retail-cbc-mac).
MCCS	RetailSHA256MAC	Retail-CBC-MAC with SHA-256 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-256).
CMA1	SHA256CMACwithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
MCC1	RetailSHA1MAC	The DEPRECATED Retail-CBC-MAC with SHA-1 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-1).
CMA9	SHA384CMACwithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message.
CMA5	SHA512CMACwithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message.

CodeName	Name	Definition
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.
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

CodeName	Name	Definition
		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).

19.2.3.7 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.
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

CodeName	Name	Definition
		with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
DA12	AESDUKPT128ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits.
DA19	AESDUKPT192ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits.
DA25	AESDUKPT256ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits.
N108	Nist800-108KeyDerivation	Key Derivation according to the Special Publication from the NIST entitled 800-108.
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
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

CodeName	Name	Definition
		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).

19.2.3.8 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 #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.

19.2.3.9 Algorithm7Code

Definition: Asymmetric encryption algorithm of a transport key.

Type: CodeSet

CodeName	Name	Definition
ERSA	RSASignature	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSAO	RSASignature	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

19.2.3.10 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).

19.2.3.11 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.

19.2.3.12 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.

19.2.3.13 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.
CUST	CustomerDelivery	Delivery by the customer.
FULL	FullServe	Full service for fuel distribution.
SELF	SelfServe	Self service for fuel distribution.

19.2.3.14 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).

19.2.3.15 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.

19.2.3.16 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).
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.

CodeName	Name	Definition
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.

19.2.3.17 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.
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.

CodeName	Name	Definition
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.

19.2.3.18 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.

CodeName	Name	Definition
AUTH	UnableToAuthenticate	The authentication couldn't be carried out.
CRPT	WithCryptogram	Authentication succeeded with a cryptogram.
UCRP	WithoutCryptogram	Authentication succeeded without a cryptogram.

19.2.3.19 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.

19.2.3.20 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.

19.2.3.21 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.

19.2.3.22 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.
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.

CodeName	Name	Definition
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.

19.2.3.23 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.

19.2.3.24 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.

CodeName	Name	Definition
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.)

19.2.3.25 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.

19.2.3.26 CardholderVerificationCapability4Code

Definition: Cardholder verification capabilities by the terminal.

Type: CodeSet

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).

CodeName	Name	Definition
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.

19.2.3.27 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.

19.2.3.28 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.

CodeName	Name	Definition
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.

19.2.3.29 CardPaymentServiceType13Code

Definition: Additional attribute of the service type.

Type: CodeSet

CodeName	Name	Definition
CRDP	CardPayment	Card payment.
CSHW	CashAdvance	Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter.
CSHD	CashDeposit	Cash deposit.
IRES	InitialReservation	Initial reservation.
DEFR	DeferredPayment	Deferred payment.
URES	UpdateReservation	Update reservation.
PRES	PaymentReservation	Payment after reservation.
RECP	RecurringPayment	Recurring payment.
INSP	Instalment	Instalment payment.
INSI	IssuerInstalment	Instalment payment transaction performed by the card issuer.
RFND	Refund	Refund transaction.
VCAU	VoiceAuthorisation	Voice authorisation.

19.2.3.30 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.

19.2.3.31 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.

CodeName	Name	Definition
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.

19.2.3.32 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.
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.

19.2.3.33 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.

19.2.3.34 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.

19.2.3.35 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).

19.2.3.36 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).

19.2.3.37 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 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).

19.2.3.38 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.

19.2.3.39 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.
CATG	Catalogue	Conversion accepted for a range of amounts.

19.2.3.40 CustomerOrderRequest1Code

Definition: Type of customer orders that must be sent in response message.

Type: CodeSet

CodeName	Name	Definition
BOTH	Both	All types of CustomerOrder should be listed, some are open others closed.
CLSD	Closed	Completed customer orders.
OPEN	Open	Customer order not completed.

19.2.3.41 DataSetCategory17Code

Definition: Category of data set.

Type: CodeSet

CodeName	Name	Definition
AQPR	AcquirerParameters	Acquirer specific configuration parameters for the point of interaction (POI) system.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
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.
DLGT	DelegationData	Data needed to create a terminal management sub-domain.
MGTP	ManagementPlan	Configuration of management plan in the point of interaction.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).
SCPR	SecurityParameters	Point of interaction parameters related to the security of software application and application protocol.
SWPK	SoftwareModule	Software module.
STRP	StatusReport	Report of software configuration and parameter status.
TRPR	TerminalParameters	Point of interaction parameters attached to the terminal as serial number or physical capabilities.
VDPR	VendorParameters	Point of interaction parameters defined by the manufacturer for instance the PIN verification capabilities.
PARA	Parameters	Any combination of configuration parameters for the point of interaction (POI).
TMSP	TMSProtocolParameters	Configuration parameters for the TMS protocol.
CRTF	CertificateParameters	Certificate provided by a terminal manager.
LOGF	LogFile	Any repository used for recording log traces.
CMRQ	CertificateManagementRequest	Trigger for CertificateManagementRequest.
MDFL	MediaFile	Media file managed by an application of the POI.
CONF	ConfigurationFile	Configuration file relevant for the POI.
RPFL	ReportFile	Report file generated by the POI.

19.2.3.42 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.
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.

19.2.3.43 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.

19.2.3.44 EventToNotify2Code

Definition: Event the POI notifies to the Sale System.

Type: CodeSet

CodeName	Name	Definition
ABRT	Abort	One or several device request has been sent by the POI during the processing of a service requested by the Sale System. The processing is cancelled by the Customer or stopped by the POI. If the device response is not received by the POI, an event is sent to inform the Sale to abort internally these device requests.
MAIB	BeginMaintenance	Begin of POI Maintenance.
CRDI	CardInserted	A card is inserted in the card reader (see Input request and NotifyCardInputFlag).

CodeName	Name	Definition
COMP	Completed	An Abort request has been sent to abort a message which is already completed.
CRDR	CardRemoved	A card is removed from the card reader.
CUSL	CustomerLanguage	The customer has selected a different language on the POI.
MAIE	EndMaintenance	End of POI Maintenance.
INIT	Initialised	The POI Terminal or the POI System is now ready to work.
KEYP	KeyPressed	The customer has pressed a specific key on the POI.
MAIR	MaintenanceRequired	Maintenance required by the POI.
OODR	OutOfOrder	The POI Terminal or the POI System cannot work.
SADM	SaleAdmin	The POI has performed, or want to perform an automatic administrative process, e.g. the reports at the end of day.
SWUP	SaleWakeUp	A POI terminal requests the payment of the transaction identified by the content of EventDetails in the Event notification.
SECA	SecurityAlarm	Problem of security.
SHUT	Shutdown	The POI Terminal or the POI System is shutting down.
SASS	StopAssistance	When the Customer assistance is stopped, because the Customer has completed its input.
DISC	Disconnected	A disconnection occurred.
CNTN	Connected	Connection has been set up.
TNOK	TransactionApproved	Transaction has been processed and approved by the POI.
TNKO	TransactionDeclined	Transaction has been processed but has been declined.

19.2.3.45 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.

CodeName	Name	Definition
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.

19.2.3.46 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.

19.2.3.47 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.

19.2.3.48 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.
VCHR	Voucher	Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed.

19.2.3.49 InputCommand1Code

Definition: Type of requested input

Type: CodeSet

CodeName	Name	Definition
DCSG	DecimalString	Wait for a string of digit characters with a decimal point, the length range could be specified.
DGSG	DigitString	Wait for a string of digit characters.

CodeName	Name	Definition
GAKY	GetAnyKey	Wait for a key pressed on the Terminal, to be able to read the message displayed on the Terminal.
GCNF	GetConfirmation	Wait for a confirmation Yes (Y) or No (N) on the Sale System. Wait for a confirmation (Valid or Cancel button) on the POI Terminal. The result of the command is a Boolean: True or False.
GFKY	GetFunctionKey	Wait for a function key pressed on the Terminal: From POI, Valid, Clear, Correct, Generic Function key number. From Sale, Generic Function key.
GMNE	GetMenuEntry	To choose an entry among a list of entries (all of them are not necessary selectable). The OutputFormat has to be MenuEntry.
PSWD	Password	Request to enter a password with masked characters while typing the password.
SITE	SiteManager	Wait for a confirmation Yes (Y) or No (N) of the Site Manager on the Sale System.
TXSG	TextString	Wait for a string of alphanumeric characters.
HTML	XHTMLText	Wait for a XHTML data.
SIGN	Signature	Request to wait for signature.

19.2.3.50 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.

19.2.3.51 InstalmentPeriod1Code

Definition: Instalment period.

Type: CodeSet

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

19.2.3.52 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.

19.2.3.53 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

19.2.3.54 ISO3NumericCountryCode

Definition: Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Numeric-3 code). The code is checked against the list of country names coded with three digit characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9]{3,3}

19.2.3.55 KeyUsage1Code

Definition: Allowed usages of the key.

Type: CodeSet

CodeName	Name	Definition
ENCR	Encryption	Key may encrypt.
DCPT	Decryption	Key may decrypt.

CodeName	Name	Definition
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.

19.2.3.56 LanguageCode

Definition: Specifies a language.

Type: CodeSet

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.2.3.57 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.

CodeName	Name	Definition
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.

19.2.3.58 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.
VIRT	VirtualShop	Virtual Shop is used for any ecommerce solution.

19.2.3.59 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.

19.2.3.60 LoyaltyTransactionType1Code*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.
AWRR	AwardRefund	Refund of a loyalty award transaction.
REBR	RebateRefund	Refund of a loyalty rebate transaction.
REBA	Rebate	Rebate on a total amount, sale item amount, or sale items.
REDE	Redemption	Redemption on a loyalty account.
REDR	RedemptionRefund	Refund of a loyalty redemption transaction.

19.2.3.61 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.

19.2.3.62 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.

CodeName	Name	Definition
MEGA	MegaByte	Mega byte.
PETA	PetaByte	Peta byte.
TERA	TeraByte	Tera byte.

19.2.3.63 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).

19.2.3.64 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.
SMON	SemiOffLine	Off-line capable with possible on-line requests to the acquirer.

19.2.3.65 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.

CodeName	Name	Definition
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

19.2.3.66 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.

19.2.3.67 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.

19.2.3.68 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.

CodeName	Name	Definition
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.

19.2.3.69 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.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
ICCA	CardApplication	Application in the smart card.

19.2.3.70 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	DelegatIssuer	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.

19.2.3.71 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.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.

19.2.3.72 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.

19.2.3.73 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.

19.2.3.74 PaymentInstrumentType1Code

Definition: Type of payment instrument.

Type: CodeSet

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.

19.2.3.75 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.

CodeName	Name	Definition
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.

19.2.3.76 PINRequestType1Code

Definition: Type of PIN Service.

Type: CodeSet

CodeName	Name	Definition
PIAE	PINAcquisitionEncryption	The cardholder enters the PIN, the POI enciphers the PIN Block and provides it as a result to the Sale System.
PIAV	PINAcquisitionVerification	The Cardholder enters the PIN and the POI verifies it.
PIVO	PINVerifyOnly	The Sale System send a previous keyed PIN and the POI verifies it.

19.2.3.77 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.

19.2.3.78 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.

CodeName	Name	Definition
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.

19.2.3.79 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.

19.2.3.80 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.
OUTD	OutOfOrder	Component not working properly.
OPER	InOperation	Component activated and in operation.
DACT	Deactivated	Component has been deactivated.

19.2.3.81 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.
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.

19.2.3.82 ProcessingPosition2Code

Definition: Specifies the processing position.

Type: CodeSet

CodeName	Name	Definition
AFTE	After	Specifies that the transaction/instruction is to be executed after the linked transaction/instruction.
WITH	With	Specifies that the transaction/instruction is to be executed with the linked transaction/instruction.
BEFO	Before	Specifies that the transaction/instruction is to be executed before the linked transaction/instruction.
INFO	Information	Specifies that the transactions/instructions are linked for information purposes only.

19.2.3.83 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.

19.2.3.84 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%

19.2.3.85 ReconciliationType1Code

Definition: Type of Reconciliation requested by the Sale to the POI.

Type: CodeSet

CodeName	Name	Definition
AREC	AcquirerReconciliation	Reconciliation between the POI and one or several Acquirers only. There is no reconciliation between the Sale System and the POI System.
ASYN	AcquirerSynchronisation	Reconciliation and closure of the current period, with synchronisation of the reconciliation between the POI and Acquirers.
PREC	PreviousReconciliation	Request result of a previous reconciliation.
SREC	SaleReconciliation	Reconciliation with closure of the current period, without any Acquirers synchronisation.

19.2.3.86 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.
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.

19.2.3.87 ResourceAction1Code

Definition: Type of action to perform on a media resource.

Type: CodeSet

CodeName	Name	Definition
PAUS	Pause	Pause the media resource in progress as specified in the message.
STAS	Play	Start the media resource as specified in the message.
LOOP	PlayInLoop	Play in a loop the media resource as specified in the message.
RESU	Resume	Resume the progress of the media resource as specified in the message.
DVOL	SetDefaultVolume	Set the default volume of sounds.
STOS	Stop	Stop the media resource in progress.

19.2.3.88 ResourceType1Code

Definition: Type of resource.

Type: CodeSet

CodeName	Name	Definition
TEXT	TextToSpeech	Voice synthesis.
URLI	UniformResourceIdentifier	String of characters that unambiguously identifies a particular resource.

19.2.3.89 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.

19.2.3.90 Response9Code

Definition: Result of the performed service.

Type: CodeSet

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.

CodeName	Name	Definition
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).

19.2.3.91 ResponseMode2Code

Definition: Message response awaited by the initiator of the Request.

Type: CodeSet

CodeName	Name	Definition
SEND	EndOfPlay	The Response is required at the end of play.
IMMD	Immediate	The Message Response is immediate, after taking into account the request.
NREQ	NotRequired	The Message Response is not required, except in case of error.
PEND	PrintEnd	The Print Response is required at the end of print.

19.2.3.92 RetailerMessage1Code

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

Type: CodeSet

CodeName	Name	Definition
SSAB	Abort	Abort the current process or the last request.
SAAQ	AdminRequest	To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
SAAP	AdminResponse	Response to the Admin request.
SDDR	DeviceRequest	Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message.
SDDP	DeviceResponse	Response to a Device request.
SSEN	EventNotification	Notify the other party of an event that occurs on its side.
SSMQ	MessageStatusRequest	Request the status of a previous message for which the Sale system has no response.
SSMR	MessageStatusResponse	Response to a Message Status request.

CodeName	Name	Definition
SSRJ	Rejection	Reject a previous received message, for technical or functional reasons.
SARQ	ReportRequest	To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction.
SARP	ReportResponse	Response to a Report request.
SFRP	SaleFinancialReconciliationResponse	Response to a Reconciliation Request.
SFRQ	SaleFinancialReconciliationRequest	Request a reconciliation (different types) between Sale System and POI System.
SFSQ	SaleFinancialServiceRequest	Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc.
SFSP	SaleFinancialServiceResponse	Response to a financial service request.
SASQ	SessionManagementRequest	Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system.
SASP	SessionManagementResponse	Response to a session management request to initiate/terminate a session.

19.2.3.93 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.

CodeName	Name	Definition
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 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.

19.2.3.94 RetailerService1Code

Definition: List of Retail services available and used in the Retail messages. Helps to know which service to activate.

Type: CodeSet

CodeName	Name	Definition
DCAQ	DeviceSendApplicationProtocolDataUnitCardReaderRequest	A service to send commands to a card.
ADAQ	AdministrativeAdminRequest	An administrative request, to select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
ADAP	AdministrativeAdminResponse	The POI System responds to an administrative request.
RPAP	AdministrativeReportGetTotalsResponse	The POI System responds to a totals figures request.
RPAQ	AdministrativeReportGetTotalsRequest	The Sale System requests to the POI System a report on the totals figures of the POI system.
RPTQ	AdministrativeReportTransactionRequest	The Sale System requests to the POI System a report on a list of transactions.

CodeName	Name	Definition
RPTP	AdministrativeReportTransactionResponse	The POI System responds to a transaction report request.
SMDQ	AdministrativeSessionManagementDiagnosisRequest	The Sale System requests a session diagnosis to the POI System.
SMDP	AdministrativeSessionManagementDiagnosisResponse	The POI System responds to a diagnosis request.
SMIQ	AdministrativeSessionManagementLoginRequest	The Sale System requests a login to the POI System.
SMIP	AdministrativeSessionManagementLoginResponse	The POI System responds to a login request.
SMOQ	AdministrativeSessionManagementLogoutRequest	The Sale System requests a logout to the POI System.
SMOP	AdministrativeSessionManagementLogoutResponse	The POI System responds to a logout request.
DDYQ	DeviceDisplayRequest	One System requests the other to display a message for cashier or customer.
DDYP	DeviceDisplayResponse	One system responds to the other system for a display request.
DCIQ	DeviceInitialisationCardReaderRequest	Service to send parameters to use when card reader initializes a new communication with the card.
DCIP	DeviceInitialisationCardReaderResponse	The POI system responds to the Sale System for a card reader initialisation.
DINO	DeviceInputNotification	One system sends a notification to the POI System to update a input request.
DINQ	DeviceInputRequest	One system requests to the other System to get data input.
DINP	DeviceInputResponse	One system responds to the other System for a input request.
DSOQ	DevicePlaySoundRequest	One system requests to the Other System to play a sound.
DSOP	DevicePlaySoundResponse	One system responds to the other System for a play sound request.
DCPQ	DevicePowerOffCardReaderRequest	The Sale system requests to the POI System to power off the card reader.
DCPP	DevicePowerOffCardRequestResponse	The POI system responds to the Sale System for a card reader power off.
DPRQ	DevicePrintRequest	One system requests to the other System to print data.
DPRP	DevicePrintResponse	One system responds to the other System for a print request.
DSIQ	DeviceSecureInputRequest	One system requests to the Other System to securely get data input (e.g. for PIN).
DSIP	DeviceSecureInputResponse	One system responds to the other System for secure data input.

CodeName	Name	Definition
DCAP	DeviceSendApplicationProtocolDataUnitCardReaderResponse	The POI system responds to the Sale System for a card reader Application Protocol Data Unit sending.
DCOQ	DeviceTransmissionMessageRequest	The Sale system requests to the POI System to transmit a message (for instance to a mobile server).
DCOP	DeviceTransmissionMessageResponse	The POI system responds to the Sale System after a message transmission.
FSIQ	FinancialBalanceInquiryRequest	The Sale System requests to the POI System to perform balance inquiry on the main account.
FSIP	FinancialBalanceInquiryResponse	The POI System sends a response to a Balance Inquiry request.
FSBQ	FinancialBatchRequest	The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery).
FSBP	FinancialBatchResponse	The POI System sends a response to a batch processing request.
FSAQ	FinancialCardAcquisitionRequest	The Sale System requests to the POI System to handle a card data acquisition on the card reader.
FSAP	FinancialCardAcquisitionResponse	The POI System sends a response to a card data acquisition request.
FSEQ	FinancialEnableServiceRequest	The Sale System requests to the POI System to enable a service on its side.
FSEP	FinancialEnableServiceResponse	The POI System sends a response after enabling or not some service.
FSLQ	FinancialLoyaltyRequest	The Sale System requests to the POI System a loyalty service like loading or redeem.
FSLP	FinancialLoyaltyResponse	The POI System sends a response to a loyalty processing request.
FSPQ	FinancialPaymentRequest	The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...).
FSPP	FinancialPaymentResponse	The POI System sends a response to a payment request (Purchase/refund/PWCB/MOTO Payment/...).
FSCQ	FinancialReconciliationRequest	The Sale System request to the POI System different kinds of transaction reconciliation.
FSCP	FinancialReconciliationResponse	The POI System sends a response to a reconciliation request.
FSRQ	FinancialReversalRequest	The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service.

CodeName	Name	Definition
FSRP	FinancialReversalResponse	The POI System sends a response to a reversal request.
FSVQ	FinancialStoredValueRequest	The Sale System requests to the POI System to manage a stored value card or account (eg. Load, Payment, Reimbursement).
FSVP	FinancialStoredValueResponse	The POI System sends a response to a stored value card or account request.
SSAB	SystemAbort	Abort a former request or message by the sale system.
SSEN	SystemEventNotification	Send an Event notification to the other party.
SSRR	SystemMessageRejection	Send a rejection for a previous message.
SSSQ	SystemMessageStatusRequest	The Sale System requests to the POI System the status of a previous transaction.
SSSP	SystemMessageStatusResponse	The POI System responds to a message status request.

19.2.3.95 RetailerService2Code

Definition: List of specific services for ServiceRequest

Type: CodeSet

CodeName	Name	Definition
FSPQ	FinancialPaymentRequest	The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...).
FSRQ	FinancialReversalRequest	The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service.
FSIQ	FinancialBalanceInquiryRequest	The Sale System requests to the POI System to perform balance inquiry on the main account.
FSBQ	FinancialBatchRequest	The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery).
FSLQ	FinancialLoyaltyRequest	The Sale System requests to the POI System a loyalty service like loading or redeem.
FSVQ	FinancialStoredValueRequest	The Sale System requests to the POI System to manage a stored value card or account (eg. Load, Payment, Reimbursement).
FSEQ	FinancialEnableServiceRequest	The Sale System requests to the POI System to enable a service on its side.

CodeName	Name	Definition
FSAQ	FinancialCardAcquisitionRequest	The Sale System requests to the POI System to handle a card data acquisition on the card reader.
FSCQ	FinancialReconciliationRequest	The Sale System request to the POI System different kinds of transaction reconciliation.

19.2.3.96 RetailerService3Code

Definition: List of specific services for ServiceResponse.

Type: CodeSet

CodeName	Name	Definition
FSPP	FinancialPaymentResponse	The POI System sends a response to a payment request (Purchase/refund/PWCB/MOTO Payment/...).
FSRP	FinancialReversalResponse	The POI System sends a response to a reversal request.
FSIP	FinancialBalanceInquiryResponse	The POI System sends a response to a Balance Inquiry request.
FSBP	FinancialBatchResponse	The POI System sends a response to a batch processing request.
FSLP	FinancialLoyaltyResponse	The POI System sends a response to a loyalty processing request.
FSVP	FinancialStoredValueResponse	The POI System sends a response to a stored value card or account request.
FSEP	FinancialEnableServiceResponse	The POI System sends a response after enabling or not some service.
FSAP	FinancialCardAcquisitionResponse	The POI System sends a response to a card data acquisition request.
FSCP	FinancialReconciliationResponse	The POI System sends a response to a reconciliation request.

19.2.3.97 RetailerService4Code

Definition: List of specific services for SessionManagementRequest.

Type: CodeSet

CodeName	Name	Definition
SMIQ	AdministrativeSessionManagementLoginRequest	The Sale System requests a login to the POI System.
SMOQ	AdministrativeSessionManagementLogoutRequest	The Sale System requests a logout to the POI System.
SMDQ	AdministrativeSessionManagementDiagnosisRequest	The Sale System requests a session diagnosis to the POI System.

19.2.3.98 RetailerService5Code

Definition: List of specific services for SessionManagementResponse.

Type: CodeSet

CodeName	Name	Definition
SMIP	AdministrativeSessionManagementLoginResponse	The POI System responds to a login request.
SMOP	AdministrativeSessionManagementLogoutResponse	The POI System responds to a logout request.
SMDP	AdministrativeSessionManagementDiagnosisResponse	The POI System responds to a diagnosis request.

19.2.3.99 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.

19.2.3.100 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.

19.2.3.101 RetailerService8Code

Definition: List of specific services for DeviceRequest.

Type: CodeSet

CodeName	Name	Definition
DDYQ	DeviceDisplayRequest	One System requests the other to display a message for cashier or customer.
DINQ	DeviceInputRequest	One system requests to the other System to get data input.
DPRQ	DevicePrintRequest	One system requests to the other System to print data.
DSOQ	DevicePlaySoundRequest	One system requests to the Other System to play a sound.
DSIQ	DeviceSecureInputRequest	One system requests to the Other System to securely get data input (e.g. for PIN).

CodeName	Name	Definition
DCIQ	DeviceInitialisationCardReaderRequest	Service to send parameters to use when card reader initializes a new communication with the card.
DCAQ	DeviceSendApplicationProtocolDataUnitCardReaderRequest	A service to send commands to a card.
DCPQ	DevicePowerOffCardReaderRequest	The Sale system requests to the POI System to power off the card reader.
DCOQ	DeviceTransmissionMessageRequest	The Sale system requests to the POI System to transmit a message (for instance to a mobile server).
DINO	DeviceInputNotification	One system sends a notification to the POI System to update a input request.

19.2.3.102 RetailerService9Code

Definition: List of specific services for DeviceResponse.

Type: CodeSet

CodeName	Name	Definition
DDYP	DeviceDisplayResponse	One system responds to the other system for a display request.
DINP	DeviceInputResponse	One system responds to the other System for a input request.
DPRP	DevicePrintResponse	One system responds to the other System for a print request.
DSOP	DevicePlaySoundResponse	One system responds to the other System for a play sound request.
DSIP	DeviceSecureInputResponse	One system responds to the other System for secure data input.
DCIP	DeviceInitialisationCardReaderResponse	The POI system responds to the Sale System for a card reader initialisation.
DCAP	DeviceSendApplicationProtocolDataUnitCardReaderResponse	The POI system responds to the Sale System for a card reader Application Protocol Data Unit sending.
DCPP	DevicePowerOffCardRequestResponse	The POI system responds to the Sale System for a card reader power off.
DCOP	DeviceTransmissionMessageResponse	The POI system responds to the Sale System after a message transmission.

19.2.3.103 ReversalReason1Code

Definition: Reason of the payment or loyalty reversal.

Type: CodeSet

CodeName	Name	Definition
CUSC	CustomerCancellation	Customer cancels the transaction.
MALF	Malfuntion	Reversal after a suspicion of malfunction of the POI system.

CodeName	Name	Definition
MERC	MerchantCancellation	Merchant or Cashier cancels the transaction.
UNAB	UnableToComplete	POI System unable to complete transaction.

19.2.3.104 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.

19.2.3.105 SaleCapabilities2Code

Definition: Type of the Logical device located on a Sale Terminal or a POI Terminal, in term of class of information to output (display, print or store), or input (keyboard) for the Cashier

or the Customer.

Type: CodeSet

CodeName	Name	Definition
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.
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).

19.2.3.106 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.

19.2.3.107 SoundFormat1Code

Definition: Type of sound to play.

Type: CodeSet

CodeName	Name	Definition
MSGR	MessageRef	Reference of a preloaded text to play.
SNDR	SoundRef	Preloaded sound File.
TEXT	Text	Text to play.

19.2.3.108 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.

CodeName	Name	Definition
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.

19.2.3.109 StoredValueTransactionType2Code

Definition: Identification of operation to proceed on the stored value account or the stored value card.

Type: CodeSet

CodeName	Name	Definition
ACTV	Activate	Activate the account or the card.
DUPL	Duplicate	Duplicate the code or number provided by the loading or activation.
LOAD	Load	Load the account or the card with money.
RESV	Reserve	Reserve the account (e.g. get an activation code).
REVS	Reverse	Reverse an activation or loading.
ULOA	Unload	Unload the account.
CLOS	CloseAccount	Close the account.
DCTV	Deactivate	Deactivate the account or the card.
OPEN	OpenAccount	Open the account.

19.2.3.110 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.

19.2.3.111 TerminalManagementAction5Code

Definition: Types of terminal management action to be performed by a point of interaction.

Type: CodeSet

CodeName	Name	Definition
DCTV	Deactivate	Request to deactivate the element identified inside the message exchange.
DELT	Delete	Request to delete the element identified inside the message exchange.
DWNL	Download	Request to download the element identified inside the message exchange.
INST	Install	Request to install the element identified inside the message exchange.
RSTR	Restart	Request to restart the element identified inside the message exchange.
UPLD	Upload	Request to upload the element identified inside the message exchange.
UPDT	Update	Request to update the element identified inside the message exchange.
BIND	Bind	Request sent to a POI to bind with a server.
RBND	Rebind	Request sent to a POI to rebind with a server.
UBND	Unbind	Request sent to a POI to unbind with a server.
ACTV	Activate	Request to activate the element identified inside the message exchange.
DEVR	DeviceRequest	Request to execute a device request.

19.2.3.112 TerminalManagementActionResult5Code

Definition: Final result of the processed terminal management action.

Type: CodeSet

CodeName	Name	Definition
ACCD	AccessDenied	Access is denied while performing the action.
CNTE	ConnectionError	Problem to connect while performing the action.
FMTE	FormatError	Data transferred has a wrong format.
INVC	InvalidContent	Content of the data is invalid.
LENE	LengthError	Data transferred has a wrong length.
OVER	MemoryOverflow	Memory to store the data exceeded.
MISS	MissingFile	Data set to be maintained is missing.
NSUP	NotSupported	Action is not supported.
SIGE	SignatureError	Data transferred has a wrong digital signature.
WARN	SuccessWithWarning	Action was performed but some warnings arose.
SYNE	SyntaxError	Data transferred has a wrong syntax.
TIMO	Timeout	Timeout expired during the data transfer.
UKDT	UnknownData	Data set identification invalid.
UKRF	UnknownKeyReference	Cryptographic key reference used for the data signature is not valid.
INDP	InvalidDelegationProof	Delegation Proof transmitted by the delegated TMS is not the one expected.
IDMP	InvalidDelegationInManagementPlan	One action of the AcceptorManagementPlan refers to an update unauthorized by the delegation.
DPRU	DelegationParametersReceivedUnauthorized	The content analysis of the AcceptorConfigurationUpdate reveals unexpected parameters.
AERR	AnyError	This code value means all TerminalManagementActionResultCode except "Any Error" and "Unlisted Error".
CMER	CommunicationError	Error in communication once the connection has been established.
ULER	UnlistedError	Any error that is not defined by a code value inside the TerminalManagementActionResultCode.
SUCC	Success	Action was successfully performed.

19.2.3.113 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.

CodeName	Name	Definition
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.

19.2.3.114 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.

19.2.3.115 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.
JIS2	JISIIFormat	Japanese track format II.

19.2.3.116 TransactionAction1Code

Definition: Action to realise on a transaction.

Type: CodeSet

CodeName	Name	Definition
STAR	StartTransaction	Start a transaction by a swipe ahead mechanism, with the services which are enabled.
STOP	Stop	Keep quite after a swipe ahead mechanism.

19.2.3.117 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.

19.2.3.118 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.

19.2.3.119 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.

CodeName	Name	Definition
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESD	Reserved	Reserved or updated reserved amount for reservation.

19.2.3.120 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.

19.2.3.121 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.

CodeName	Name	Definition
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.

CodeName	Name	Definition
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.

19.2.3.122 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.

19.2.3.123 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.

19.2.4 Date

19.2.4.1 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

19.2.5 DateTime

19.2.5.1 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

19.2.6 IdentifierSet

19.2.6.1 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.

19.2.6.2 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}

19.2.6.3 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.

19.2.6.4 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}

19.2.7 Indicator

19.2.7.1 PlusOrMinusIndicator

Definition: Indicates a positive or negative value.

Type: Indicator

Meaning When True: Plus

Meaning When False: Minus

19.2.7.2 TrueFalseIndicator

Definition: A flag indicating a True or False value.

Type: Indicator

Meaning When True: True

Meaning When False: False

19.2.8 Quantity

19.2.8.1 DecimalNumber

Definition: Number of objects represented as a decimal number, for example 0.75 or 45.6.

Type: Quantity

Format

totalDigits	18
fractionDigits	17

19.2.8.2 Number

Definition: Number of objects represented as an integer.

Type: Quantity

Format

totalDigits	18
fractionDigits	0

19.2.8.3 PositiveNumber

Definition: Number of objects represented as a positive integer.

Type: Quantity

Format

minInclusive	1
totalDigits	18
fractionDigits	0

19.2.9 Rate

19.2.9.1 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

19.2.9.2 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

19.2.10 Text

19.2.10.1 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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19.2.10.2 Exact3NumericText

Definition: Specifies a numeric string with an exact length of 3 digits.

Type: Text

Format

pattern	[0-9]{3}
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19.2.10.3 Exact4NumericText

Definition: Specifies a numeric string with an exact length of 4 digits.

Type: Text

Format

pattern	[0-9]{4}
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19.2.10.4 Max1025Text

Definition: Specifies a character string with a maximum length of 1025 characters.

Type: Text

Format

minLength	1
maxLength	1025

19.2.10.5 Max104Text

Definition: Specifies a character string with a maximum length of 104 characters.

Type: Text

Format

minLength	1
maxLength	104

19.2.10.6 Max10Text

Definition: Specifies a character string with a maximum length of 10 characters.

Type: Text

Format

minLength	1
maxLength	10

19.2.10.7 Max11NumericText

Definition: Specifies a numeric string with a maximum length of 11 digits.

Type: Text

Format

pattern	[0-9]{1,11}
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19.2.10.8 Max140Text

Definition: Specifies a character string with a maximum length of 140 characters.

Type: Text

Format

minLength	1
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maxLength	140
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19.2.10.9 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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19.2.10.10 Max16Text

Definition: Specifies a character string with a maximum length of 16 characters.

Type: Text

Format

minLength	1
maxLength	16

19.2.10.11 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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19.2.10.12 Max20000Text

Definition: Specifies a character string with a maximum length of 20, 000 characters.

Type: Text

Format

minLength	1
maxLength	20000

19.2.10.13 Max256Text

Definition: Specifies a character string with a maximum length of 256 characters.

Type: Text

Format

minLength	1
maxLength	256

19.2.10.14 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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19.2.10.15 Max30Text

Definition: Specifies a character string with a maximum length of 30 characters.

Type: Text

Format

maxLength	30
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19.2.10.16 Max350Text

Definition: Specifies a character string with a maximum length of 350 characters.

Type: Text

Format

minLength	1
maxLength	350

19.2.10.17 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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19.2.10.18 Max35Text

Definition: Specifies a character string with a maximum length of 35 characters.

Type: Text

Format

minLength	1
maxLength	35

19.2.10.19 Max37Text

Definition: Specifies a character string with a maximum length of 37 characters.

Type: Text

Format

minLength	1
maxLength	37

19.2.10.20 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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19.2.10.21 Max3Text

Definition: Specifies a character string with a maximum length of 3 characters.

Type: Text

Format

minLength	1
maxLength	3

19.2.10.22 Max45Text

Definition: Specifies a character string with a maximum length of 45 characters.

Type: Text

Format

minLength	1
maxLength	45

19.2.10.23 Max500Text

Definition: Specifies a character string with a maximum length of 500 characters.

Type: Text

Format

minLength	1
maxLength	500

19.2.10.24 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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19.2.10.25 Max6Text

Definition: Specifies a character string with a maximum length of 6 characters.

Type: Text

Format

minLength	1
maxLength	6

19.2.10.26 Max70Text

Definition: Specifies a character string with a maximum length of 70characters.

Type: Text

Format

minLength	1
maxLength	70

19.2.10.27 Max76Text

Definition: Specifies a character string with a maximum length of 76 characters.

Type: Text

Format

minLength	1
maxLength	76

19.2.10.28 Max8000Text

Definition: Specifies a character string with a maximum length of 8000 characters.

Type: Text

Format

minLength	1
maxLength	8000

19.2.10.29 Max8Text

Definition: Specifies a character string with a maximum length of 8 characters.

Type: Text

Format

minLength	1
maxLength	8

19.2.10.30 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}
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19.2.10.31 Min2Max3NumericText

Definition: Specifies a numeric string with a minimum length of 2 digits, and a maximum length of 3 digits.

Type: Text

Format

pattern	[0-9]{2,3}
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19.2.10.32 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

19.2.10.33 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

19.2.10.34 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}

19.2.10.35 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}