

ISO 20022

Card Sale to POI - Merchant to Acceptor -
Maintenance 2023 - 2024

Message Definition Report - Part 2

Approved by the Cards SEG on 25 January 2024

This document provides details of the Message Definitions for Card Sale to POI - Merchant to Acceptor - Maintenance 2023 - 2024.

March 2024

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1 Message Set Overview

Introduction

This document describes the Card Sale to POI - Merchant to Acceptor message set. It includes the new version of the MessageDefinitions that have been added as part of the maintenance cycle 2023-2024 (See MCR #235) and approved by the Cards Standards Evaluation Group on 25 January 2024.

1.1 List of MessageDefinitions

The following table lists all MessageDefinitions described in this book.

MessageDefinition	Definition
casp.001.001.06 SaleToPOIServiceRequestV06	This SaleToPOIServiceRequest message is sent by a sale system to trig a financial service on POI system.
casp.002.001.06 SaleToPOIServiceResponseV06	The SaleToPOIServiceResponse message is sent by a POI to provide the outcome of a financial service.
casp.003.001.06 SaleToPOIReconciliationRequestV06	The SaleToPOIReconciliationRequest message is sent by a sale system to request for reconciliation between sale and POI systems.
casp.004.001.06 SaleToPOIReconciliationResponseV06	The SaleToPOIReconciliationResponse message is sent by a POI to provide the result of reconciliation process between sale and POI systems.
casp.005.001.06 SaleToPOISessionManagementRequestV06	The SaleToPOISessionManagementRequest message is sent by a sale system to select an administrative service related to session management.
casp.006.001.06 SaleToPOISessionManagementResponseV06	The SaleToPOISessionManagementResponse message is sent by a POI to provide the result of an administrative service related to session management.
casp.007.001.06 SaleToPOIAdministrativeRequestV06	The SaleToPOIAdministrativeRequest message is sent by a sale system to POI System to request for an Administrative service.
casp.008.001.06 SaleToPOIAdministrativeResponseV06	The SaleToPOIAdministrativeResponse message is sent by a POI System to a sale system to provide response to an administrative service.
casp.009.001.06 SaleToPOIReportRequestV06	The SaleToPOIReportRequest message is sent by sale system to request a report service.
casp.010.001.06 SaleToPOIReportResponseV06	This SaleToPOIReportResponse message is sent by a POI to provide the report previously expected by a sale system.
casp.011.001.06 SaleToPOIAbortV06	The SaleToPOIAbort message is sent by a sale system to abort process on POI.
casp.012.001.06 SaleToPOIEventNotificationV06	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.014.001.06 SaleToPOIMessageStatusRequestV06	The SaleToPOIMessageStatusRequest message is sent by a sale system when the sale system wants to

MessageDefinition	Definition
	know the status of previous message that has not be answered.
casp.015.001.06 SaleToPOIMessageStatusResponseV06	The SaleToPOIMessageStatusResponse message is sent by a POI System to respond to the sale system at a previous message status request.
casp.016.001.06 SaleToPOIDeviceRequestV06	The SaleTOPOIDeviceRequest message is sent by the sale system to POI system to request a device service.
casp.017.001.06 SaleToPOIDeviceResponseV06	The SaleToPOIDeviceResponse message is sent by a POI System to sale system to provide result of a device request.

2 casp.001.001.06 SaleToPOIServiceRequestV06

2.1 MessageDefinition Functionality

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

Outline

The SaleToPOIServiceRequestV06 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..*]			37
	CustomerOrder <CstmrOrd>	[0..1]	±		37
	Account <Acct>	[0..1]	±		38
	Amount <Amt>	[0..1]			38
	Unit <Unit>	[0..1]	CodeSet		39
	Currency <Ccy>	[0..1]	CodeSet	C1	39
	Amount <Amt>	[1..1]	Amount		39
	ReversalRequest <RvslReq>	[0..1]			39
	ReversalTransaction <RvslTx>	[0..1]	±		40
	LoyaltyData <LltyData>	[0..*]			45
	CustomerOrder <CstmrOrd>	[0..1]	±		45
	Account <Acct>	[0..1]	±		46
	Amount <Amt>	[0..1]			46
	Unit <Unit>	[0..1]	CodeSet		47
	Currency <Ccy>	[0..1]	CodeSet	C1	47

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		47
	ReversalReason <RvslRsn>	[1..1]	CodeSet		47
	ReversedAmount <RvsdAmt>	[0..1]	Amount		48
	CustomerOrder <CstmrOrdr>	[0..1]	±		48
	BalanceInquiryRequest <BalInqryReq>	[0..1]			48
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		50
	PaymentAccountRequest <PmtAcctReq>	[0..1]			50
	AccountType <AcctTp>	[0..1]	CodeSet		50
	CustomerOrder <CstmrOrdr>	[0..1]	±		51
	AccountReference <AcctRef>	[0..1]	Text		51
	LoyaltyAccountRequest <LtyAcctReq>	[0..1]			52
	CustomerOrder <CstmrOrdr>	[0..1]	±		52
	Account <Acct>	[0..1]	±		52
	StoredValueAccountRequest <StordValAcctReq>	[0..1]			53
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		54
	Data <Data>	[1..*]			55
	Provider <Prvdr>	[0..1]	Text		55
	TransactionType <TxTp>	[1..1]	CodeSet		55
	AccountIdentification <AcctId>	[0..1]			56
	AccountType <AcctTp>	[0..1]	CodeSet		56
	IdentificationType <IdTp>	[0..1]	CodeSet		57
	Identification <Id>	[0..1]	Text		58
	Brand <Brnd>	[0..1]	Text		58
	Provider <Prvdr>	[0..1]	Text		58
	OwnerName <OwnrNm>	[0..1]	Text		58
	ExpiryDate <XpryDt>	[0..1]	Text		58
	EntryMode <NtryMd>	[0..1]	CodeSet		58
	Currency <Ccy>	[0..1]	CodeSet	C1	59
	Balance <Bal>	[0..1]	Amount		59
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		59
	ProductCode <PdctCd>	[0..1]	Text		64

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	EANUPC <EANUPC>	[0..1]	Text		64
	ItemAmount <ItmAmt>	[0..1]	Amount		64
	Currency <Ccy>	[0..1]	CodeSet	C1	64
	HostTransactionIdentification <HstTxId>	[0..1]	±		65
	LoyaltyRequest <LtyReq>	[0..1]			65
	CustomerOrder <CstmrOrdr>	[0..1]	±		65
	Transaction <Tx>	[1..1]			66
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		66
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		67
	Currency <Ccy>	[0..1]	CodeSet	C1	67
	TotalAmount <TtlAmt>	[0..1]	Amount		67
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		68
	SaleItem <SaleItm>	[0..*]	±		73
	Data <Data>	[0..*]			73
	CustomerOrder <CstmrOrdr>	[0..1]	±		74
	Account <Acct>	[0..1]	±		74
	Amount <Amt>	[0..1]			75
	Unit <Unit>	[0..1]	CodeSet		75
	Currency <Ccy>	[0..1]	CodeSet	C1	75
	Amount <Amt>	[1..1]	Amount		76
	StoredValueRequest <StordValReq>	[0..1]			76
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		77
	Data <Data>	[1..*]			78
	Provider <Prvdr>	[0..1]	Text		78
	TransactionType <TxTp>	[1..1]	CodeSet		78
	AccountIdentification <AcctId>	[0..1]			79
	AccountType <AcctTp>	[0..1]	CodeSet		79
	IdentificationType <IdTp>	[0..1]	CodeSet		80
	Identification <Id>	[0..1]	Text		81
	Brand <Brnd>	[0..1]	Text		81
	Provider <Prvdr>	[0..1]	Text		81

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OwnerName <OwnrNm>	[0..1]	Text		81
	ExpiryDate <XpryDt>	[0..1]	Text		81
	EntryMode <NtryMd>	[0..1]	CodeSet		81
	Currency <Ccy>	[0..1]	CodeSet	C1	82
	Balance <Bal>	[0..1]	Amount		82
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		82
	ProductCode <PdctCd>	[0..1]	Text		87
	EANUPC <EANUPC>	[0..1]	Text		87
	ItemAmount <ItmAmt>	[0..1]	Amount		87
	Currency <Ccy>	[0..1]	CodeSet	C1	87
	HostTransactionIdentification <HstTxId>	[0..1]	±		88
	BatchRequest <BtchReq>	[0..1]			88
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		90
	RemoveAllFlag <RmvAllFlg>	[0..1]	Indicator		90
	TransactionToPerform <TxToPrfrm>	[0..*]			90
{Or	PaymentRequest <PmtReq>	[0..1]			92
	PaymentTransaction <PmtTx>	[0..1]	±		92
	LoyaltyData <LltyData>	[0..*]			97
	CustomerOrder <CstmrOrd>	[0..1]	±		97
	Account <Acct>	[0..1]	±		98
	Amount <Amt>	[0..1]			98
	Unit <Unit>	[0..1]	CodeSet		99
	Currency <Ccy>	[0..1]	CodeSet	C1	99
	Amount <Amt>	[1..1]	Amount		99
Or	LoyaltyRequest <LltyReq>	[0..1]			99
	CustomerOrder <CstmrOrd>	[0..1]	±		100
	Transaction <Tx>	[1..1]			101
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		101
	LoyaltyTransactionType <LltyTxTp>	[1..1]	CodeSet		102
	Currency <Ccy>	[0..1]	CodeSet	C1	102
	TotalAmount <TtlAmt>	[0..1]	Amount		102

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		103
	SaleItem <SaleItm>	[0..*]	±		108
	Data <Data>	[0..*]			108
	CustomerOrder <CstmrOrd>	[0..1]	±		109
	Account <Acct>	[0..1]	±		109
	Amount <Amt>	[0..1]			110
	Unit <Unit>	[0..1]	CodeSet		110
	Currency <Ccy>	[0..1]	CodeSet	C1	110
	Amount <Amt>	[1..1]	Amount		111
Or}	ReversalRequest <RvslReq>	[0..1]			111
	ReversalTransaction <RvslTx>	[0..1]	±		111
	LoyaltyData <LtyData>	[0..*]			116
	CustomerOrder <CstmrOrd>	[0..1]	±		116
	Account <Acct>	[0..1]	±		117
	Amount <Amt>	[0..1]			117
	Unit <Unit>	[0..1]	CodeSet		118
	Currency <Ccy>	[0..1]	CodeSet	C1	118
	Amount <Amt>	[1..1]	Amount		118
	ReversalReason <RvslRsn>	[1..1]	CodeSet		118
	ReversedAmount <RvslAmt>	[0..1]	Amount		119
	CustomerOrder <CstmrOrd>	[0..1]	±		119
	EnableServiceRequest <NblSvcReq>	[0..1]			119
	TransactionAction <TxActn>	[1..1]	CodeSet		120
	ServicesEnabled <SvcNbld>	[0..1]	CodeSet		120
	DisplayOutput <DispOutpt>	[0..1]	±		121
	CardAcquisitionRequest <CardAcqstnReq>	[0..1]			121
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		122
	AllowedPaymentBrand <AllwdPmtBrnd>	[0..*]	Text		122
	AllowedLoyaltyBrand <AllwdLtyBrnd>	[0..*]	Text		122
	ForceCustomerSelectionFlag <ForceCstmrSelctnFlg>	[0..1]	Indicator		122
	TotalAmount <TtlAmt>	[0..1]	Amount		123

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentType <PmtTp>	[0..1]	CodeSet		123
	CashBackFlag <CshBckFlg>	[0..1]	Indicator		123
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		123
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		124
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		124
	SupplementaryData <SplmtryData>	[0..*]	±	C6	124
	SecurityTrailer <SctyTrlr>	[0..1]	±		124

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 CurrencyAmount

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

C5 IBAN

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

C6 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.

C7 ValidationByTable

Must be a valid terrestrial language.

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 1062

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 1089

2.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

2.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

2.4.2 ServiceRequest <SvcReq>

Presence: [1..1]

Definition: Information related to a service request.

ServiceRequest <SvcReq> contains the following **ServiceRequest7** 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 <LltyData>	[0..*]			37
	CustomerOrder <CstmrOrd>	[0..1]	±		37
	Account <Acct>	[0..1]	±		38
	Amount <Amt>	[0..1]			38
	Unit <Unit>	[0..1]	CodeSet		39
	Currency <Ccy>	[0..1]	CodeSet	C1	39
	Amount <Amt>	[1..1]	Amount		39
	ReversalRequest <RvslReq>	[0..1]			39
	ReversalTransaction <RvslTx>	[0..1]	±		40
	LoyaltyData <LltyData>	[0..*]			45
	CustomerOrder <CstmrOrd>	[0..1]	±		45
	Account <Acct>	[0..1]	±		46
	Amount <Amt>	[0..1]			46
	Unit <Unit>	[0..1]	CodeSet		47
	Currency <Ccy>	[0..1]	CodeSet	C1	47
	Amount <Amt>	[1..1]	Amount		47
	ReversalReason <RvslRsn>	[1..1]	CodeSet		47
	ReversedAmount <RvslAmt>	[0..1]	Amount		48
	CustomerOrder <CstmrOrd>	[0..1]	±		48
	BalanceInquiryRequest <BalInqryReq>	[0..1]			48
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		50
	PaymentAccountRequest <PmtAcctReq>	[0..1]			50
	AccountType <AcctTp>	[0..1]	CodeSet		50
	CustomerOrder <CstmrOrd>	[0..1]	±		51
	AccountReference <AcctRef>	[0..1]	Text		51
	LoyaltyAccountRequest <LltyAcctReq>	[0..1]			52

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..1]	±		52
	Account <Acct>	[0..1]	±		52
	StoredValueAccountRequest <StordValAcctReq>	[0..1]			53
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		54
	Data <Data>	[1..*]			55
	Provider <Prvdr>	[0..1]	Text		55
	TransactionType <TxTp>	[1..1]	CodeSet		55
	AccountIdentification <AcctId>	[0..1]			56
	AccountType <AcctTp>	[0..1]	CodeSet		56
	IdentificationType <IdTp>	[0..1]	CodeSet		57
	Identification <Id>	[0..1]	Text		58
	Brand <Brnd>	[0..1]	Text		58
	Provider <Prvdr>	[0..1]	Text		58
	OwnerName <OwnrNm>	[0..1]	Text		58
	ExpiryDate <XpryDt>	[0..1]	Text		58
	EntryMode <NtryMd>	[0..1]	CodeSet		58
	Currency <Ccy>	[0..1]	CodeSet	C1	59
	Balance <Bal>	[0..1]	Amount		59
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		59
	ProductCode <PdctCd>	[0..1]	Text		64
	EANUPC <EANUPC>	[0..1]	Text		64
	ItemAmount <ItmAmt>	[0..1]	Amount		64
	Currency <Ccy>	[0..1]	CodeSet	C1	64
	HostTransactionIdentification <HstTxId>	[0..1]	±		65
	LoyaltyRequest <LtyReq>	[0..1]			65
	CustomerOrder <CstmrOrd>	[0..1]	±		65
	Transaction <Tx>	[1..1]			66
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		66
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		67
	Currency <Ccy>	[0..1]	CodeSet	C1	67
	TotalAmount <TtlAmt>	[0..1]	Amount		67

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		68
	SaleItem <Saleitm>	[0..*]	±		73
	Data <Data>	[0..*]			73
	CustomerOrder <CstmrOrd>	[0..1]	±		74
	Account <Acct>	[0..1]	±		74
	Amount <Amt>	[0..1]			75
	Unit <Unit>	[0..1]	CodeSet		75
	Currency <Ccy>	[0..1]	CodeSet	C1	75
	Amount <Amt>	[1..1]	Amount		76
	StoredValueRequest <StordValReq>	[0..1]			76
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		77
	Data <Data>	[1..*]			78
	Provider <Prvdr>	[0..1]	Text		78
	TransactionType <TxTp>	[1..1]	CodeSet		78
	AccountIdentification <AcctId>	[0..1]			79
	AccountType <AcctTp>	[0..1]	CodeSet		79
	IdentificationType <IdTp>	[0..1]	CodeSet		80
	Identification <Id>	[0..1]	Text		81
	Brand <Brnd>	[0..1]	Text		81
	Provider <Prvdr>	[0..1]	Text		81
	OwnerName <OwnrNm>	[0..1]	Text		81
	ExpiryDate <XpryDt>	[0..1]	Text		81
	EntryMode <NtryMd>	[0..1]	CodeSet		81
	Currency <Ccy>	[0..1]	CodeSet	C1	82
	Balance <Bal>	[0..1]	Amount		82
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		82
	ProductCode <PdctCd>	[0..1]	Text		87
	EANUPC <EANUPC>	[0..1]	Text		87
	ItemAmount <ItmAmt>	[0..1]	Amount		87
	Currency <Ccy>	[0..1]	CodeSet	C1	87
	HostTransactionIdentification <HstTxId>	[0..1]	±		88

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BatchRequest <BtchReq>	[0..1]			88
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		90
	RemoveAllFlag <RmvAllFlg>	[0..1]	Indicator		90
	TransactionToPerform <TxToPrfrm>	[0..*]			90
{Or	PaymentRequest <PmtReq>	[0..1]			92
	PaymentTransaction <PmtTx>	[0..1]	±		92
	LoyaltyData <LltyData>	[0..*]			97
	CustomerOrder <CstmrOrd>	[0..1]	±		97
	Account <Acct>	[0..1]	±		98
	Amount <Amt>	[0..1]			98
	Unit <Unit>	[0..1]	CodeSet		99
	Currency <Ccy>	[0..1]	CodeSet	C1	99
	Amount <Amt>	[1..1]	Amount		99
Or	LoyaltyRequest <LltyReq>	[0..1]			99
	CustomerOrder <CstmrOrd>	[0..1]	±		100
	Transaction <Tx>	[1..1]			101
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		101
	LoyaltyTransactionType <LltyTxTp>	[1..1]	CodeSet		102
	Currency <Ccy>	[0..1]	CodeSet	C1	102
	TotalAmount <TtlAmt>	[0..1]	Amount		102
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		103
	SaleItem <Saleitm>	[0..*]	±		108
	Data <Data>	[0..*]			108
	CustomerOrder <CstmrOrd>	[0..1]	±		109
	Account <Acct>	[0..1]	±		109
	Amount <Amt>	[0..1]			110
	Unit <Unit>	[0..1]	CodeSet		110
	Currency <Ccy>	[0..1]	CodeSet	C1	110
	Amount <Amt>	[1..1]	Amount		111
Or}	ReversalRequest <RvslReq>	[0..1]			111
	ReversalTransaction <RvslTx>	[0..1]	±		111

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyData <LtyData>	[0..*]			116
	CustomerOrder <CstmrOrd>	[0..1]	±		116
	Account <Acct>	[0..1]	±		117
	Amount <Amt>	[0..1]			117
	Unit <Unit>	[0..1]	CodeSet		118
	Currency <Ccy>	[0..1]	CodeSet	C1	118
	Amount <Amt>	[1..1]	Amount		118
	ReversalReason <RvslRsn>	[1..1]	CodeSet		118
	ReversedAmount <RvsdAmt>	[0..1]	Amount		119
	CustomerOrder <CstmrOrd>	[0..1]	±		119
	EnableServiceRequest <NbISvcReq>	[0..1]			119
	TransactionAction <TxActn>	[1..1]	CodeSet		120
	ServicesEnabled <SvcsNbld>	[0..1]	CodeSet		120
	DisplayOutput <DispOutpt>	[0..1]	±		121
	CardAcquisitionRequest <CardAcqstnReq>	[0..1]			121
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		122
	AllowedPaymentBrand <AllwdPmtBrnd>	[0..*]	Text		122
	AllowedLoyaltyBrand <AllwdLtyBrnd>	[0..*]	Text		122
	ForceCustomerSelectionFlag <ForceCstmrSelctnFlg>	[0..1]	Indicator		122
	TotalAmount <TtlAmt>	[0..1]	Amount		123
	PaymentType <PmtTp>	[0..1]	CodeSet		123
	CashBackFlag <CshBckFlg>	[0..1]	Indicator		123
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		123
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		124
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		124
	SupplementaryData <SplmtryData>	[0..*]	±	C6	124

2.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhdldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdnncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlfbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

2.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService2Code" on page 1067

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 **PaymentRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentTransaction <PmtTx>	[0..1]	±		32
	LoyaltyData <LtyData>	[0..*]			37
	CustomerOrder <CstmrOrdr>	[0..1]	±		37
	Account <Acct>	[0..1]	±		38
	Amount <Amt>	[0..1]			38
	Unit <Unit>	[0..1]	CodeSet		39
	Currency <Ccy>	[0..1]	CodeSet	C1	39
	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 "[CardPaymentTransaction136](#)" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <Saleitm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

2.4.2.4.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

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

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

2.4.2.4.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		39
	Currency <Ccy>	[0..1]	CodeSet	C1	39
	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 1026

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 1017

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 1013

2.4.2.5 ReversalRequest <RvslReq>

Presence: [0..1]

Definition: Content of the reversal request.

ReversalRequest <RvslReq> contains the following **ReversalRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReversalTransaction <RvslTx>	[0..1]	±		40
	LoyaltyData <LtyData>	[0..*]			45
	CustomerOrder <CstmrOrdr>	[0..1]	±		45
	Account <Acct>	[0..1]	±		46
	Amount <Amt>	[0..1]			46
	Unit <Unit>	[0..1]	CodeSet		47
	Currency <Ccy>	[0..1]	CodeSet	C1	47
	Amount <Amt>	[1..1]	Amount		47
	ReversalReason <RvslRsn>	[1..1]	CodeSet		47
	ReversedAmount <RvslAmt>	[0..1]	Amount		48
	CustomerOrder <CstmrOrdr>	[0..1]	±		48

2.4.2.5.1 ReversalTransaction <RvslTx>

Presence: [0..1]

Definition: Transaction to reverse.

ReversalTransaction <RvsITx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <Saleitm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

2.4.2.5.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		45
	Account <Acct>	[0..1]	±		46
	Amount <Amt>	[0..1]			46
	Unit <Unit>	[0..1]	CodeSet		47
	Currency <Ccy>	[0..1]	CodeSet	C1	47
	Amount <Amt>	[1..1]	Amount		47

2.4.2.5.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		47
	Currency <Ccy>	[0..1]	CodeSet	C1	47
	Amount <Amt>	[1..1]	Amount		47

2.4.2.5.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 1026

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 1017

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 1013

2.4.2.5.3 ReversalReason <RvsIRsn>

Presence: [1..1]

Definition: Reason for this reversal.

Datatype: "ReversalReason1Code" on page 1071

CodeName	Name	Definition
CUSC	CustomerCancellation	Customer cancels the transaction.

CodeName	Name	Definition
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 1013

2.4.2.5.5 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: Specific Customer Order linked with the reversal.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

2.4.2.6 BalanceInquiryRequest <BalNqryReq>

Presence: [0..1]

Definition: Content of a Balance Inquiry Request.

BalanceInquiryRequest <BalNqryReq> contains the following **BalanceInquiryRequest7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		50
	PaymentAccountRequest <PmtAcctReq>	[0..1]			50
	AccountType <AcctTp>	[0..1]	CodeSet		50
	CustomerOrder <CstmrOrd>	[0..1]	±		51
	AccountReference <AcctRef>	[0..1]	Text		51
	LoyaltyAccountRequest <LtyAcctReq>	[0..1]			52
	CustomerOrder <CstmrOrd>	[0..1]	±		52
	Account <Acct>	[0..1]	±		52
	StoredValueAccountRequest <StordValAcctReq>	[0..1]			53
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		54
	Data <Data>	[1..*]			55
	Provider <Prvdr>	[0..1]	Text		55
	TransactionType <TxTp>	[1..1]	CodeSet		55
	AccountIdentification <AcctId>	[0..1]			56
	AccountType <AcctTp>	[0..1]	CodeSet		56
	IdentificationType <IdTp>	[0..1]	CodeSet		57
	Identification <Id>	[0..1]	Text		58
	Brand <Brnd>	[0..1]	Text		58
	Provider <Prvdr>	[0..1]	Text		58
	OwnerName <OwnrNm>	[0..1]	Text		58
	ExpiryDate <XpryDt>	[0..1]	Text		58
	EntryMode <NtryMd>	[0..1]	CodeSet		58
	Currency <Ccy>	[0..1]	CodeSet	C1	59
	Balance <Bal>	[0..1]	Amount		59
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		59
	ProductCode <PdctCd>	[0..1]	Text		64
	EANUPC <EANUPC>	[0..1]	Text		64
	ItemAmount <ItmAmt>	[0..1]	Amount		64
	Currency <Ccy>	[0..1]	CodeSet	C1	64
	HostTransactionIdentification <HstTxId>	[0..1]	±		65

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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		50
	CustomerOrder <CstmrOrd>	[0..1]	±		51
	AccountReference <AcctRef>	[0..1]	Text		51

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 1032

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 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

2.4.2.6.2.3 AccountReference <AcctRef>

Presence: [0..1]

Definition: Reference of an account (all types).

Datatype: "Max35Text" on page 1088

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 <CstmrOrdr>	[0..1]	±		52
	Account <Acct>	[0..1]	±		52

2.4.2.6.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlid>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefld>	[1..1]	Text		912
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

2.4.2.6.4 StoredValueAccountRequest <StordValAcctReq>

Presence: [0..1]

Definition: Data related to a requested Stored value account.

StoredValueAccountRequest <StordValAcctReq> contains the following **StoredValueRequest7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		54
	Data <Data>	[1..*]			55
	Provider <Prvdr>	[0..1]	Text		55
	TransactionType <TxTp>	[1..1]	CodeSet		55
	AccountIdentification <AcctId>	[0..1]			56
	AccountType <AcctTp>	[0..1]	CodeSet		56
	IdentificationType <IdTp>	[0..1]	CodeSet		57
	Identification <Id>	[0..1]	Text		58
	Brand <Brnd>	[0..1]	Text		58
	Provider <Prvdr>	[0..1]	Text		58
	OwnerName <OwnrNm>	[0..1]	Text		58
	ExpiryDate <XpryDt>	[0..1]	Text		58
	EntryMode <NtryMd>	[0..1]	CodeSet		58
	Currency <Ccy>	[0..1]	CodeSet	C1	59
	Balance <Bal>	[0..1]	Amount		59
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		59
	ProductCode <PdctCd>	[0..1]	Text		64
	EANUPC <EANUPC>	[0..1]	Text		64
	ItemAmount <ItmAmt>	[0..1]	Amount		64
	Currency <Ccy>	[0..1]	CodeSet	C1	64
	HostTransactionIdentification <HstTxId>	[0..1]	±		65

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

2.4.2.6.4.2 Data <Data>*Presence:* [1..*]*Definition:* Data related to the stored value card.**Data <Data>** contains the following **StoredValueData7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		55
	TransactionType <TxTp>	[1..1]	CodeSet		55
	AccountIdentification <AcctId>	[0..1]			56
	AccountType <AcctTp>	[0..1]	CodeSet		56
	IdentificationType <IdTp>	[0..1]	CodeSet		57
	Identification <Id>	[0..1]	Text		58
	Brand <Brnd>	[0..1]	Text		58
	Provider <Prvdr>	[0..1]	Text		58
	OwnerName <OwnrNm>	[0..1]	Text		58
	ExpiryDate <XpryDt>	[0..1]	Text		58
	EntryMode <NtryMd>	[0..1]	CodeSet		58
	Currency <Ccy>	[0..1]	CodeSet	C1	59
	Balance <Bal>	[0..1]	Amount		59
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		59
	ProductCode <PdctCd>	[0..1]	Text		64
	EANUPC <EANUPC>	[0..1]	Text		64
	ItemAmount <ItmAmt>	[0..1]	Amount		64
	Currency <Ccy>	[0..1]	CodeSet	C1	64
	HostTransactionIdentification <HstTxId>	[0..1]	±		65

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 1088**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:* "StoredValueTransactionType3Code" on page 1073

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.
BALC	Balance	Balance enquiry.

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		56
	IdentificationType <IdTp>	[0..1]	CodeSet		57
	Identification <Id>	[0..1]	Text		58
	Brand <Brnd>	[0..1]	Text		58
	Provider <Prvd>	[0..1]	Text		58
	OwnerName <OwnrNm>	[0..1]	Text		58
	ExpiryDate <XpryDt>	[0..1]	Text		58
	EntryMode <NtryMd>	[0..1]	CodeSet		58
	Currency <Ccy>	[0..1]	CodeSet	C1	59
	Balance <Bal>	[0..1]	Amount		59

2.4.2.6.4.2.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

CodeName	Name	Definition
BNKA	BankPrepaidAccount	Prepaid account managed by a financial institution for low income customers.
CWVC	CarwashVoucher	Car wash specific account.
CPYA	CompanyPrepaidAccount	Specific prepaid account for companies or professionals expenses.
ELMY	ElectronicMoneyAccount	Account supporting e-money issued by an electronic money issuer.
GIFT	GiftCard	Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once.
GCER	GiftCertificate	Certificate to be given to a customer. Usually one shot voucher.
MLVC	MealVoucher	Meal and check voucher for restaurants.
OLVC	OnlineVoucher	Voucher that can be used online once or in several times.
MERC	MerchantAccount	Prepaid account open with a merchant or big retailers.
OTHR	OtherPrepaidAccount	Other non listed stored value instrument.
PHON	PhoneCard	Stored value instrument used to pay telephone services (e.g. card or identifier).
CARD	SmartCardTag	Stored value account hold on the chip of a smart card.
TRVL	Travel	Travel prepaid account.

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 1034

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 1088**2.4.2.6.4.2.3.4 Brand <Brnd>***Presence:* [0..1]*Definition:* Brand to which belong the account.*Datatype:* "Max35Text" on page 1088**2.4.2.6.4.2.3.5 Provider <Prvdr>***Presence:* [0..1]*Definition:* Provider of the Stored Value Account.*Datatype:* "Max35Text" on page 1088**2.4.2.6.4.2.3.6 OwnerName <OwnrNm>***Presence:* [0..1]*Definition:* Owner name of an account.*Datatype:* "Max45Text" on page 1089**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 1086**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 1033

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.
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 1017

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 1013

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 "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIId>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

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 1088

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 1088

2.4.2.6.4.2.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

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 1017

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

2.4.2.7 LoyaltyRequest <LtyReq>

Presence: [0..1]

Definition: Content of the Loyalty Request.

LoyaltyRequest <LtyReq> contains the following **LoyaltyRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		65
	Transaction <Tx>	[1..1]			66
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		66
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		67
	Currency <Ccy>	[0..1]	CodeSet	C1	67
	TotalAmount <TtlAmt>	[0..1]	Amount		67
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		68
	SaleItem <SaleItm>	[0..*]	±		73
	Data <Data>	[0..*]			73
	CustomerOrder <CstmrOrdr>	[0..1]	±		74
	Account <Acct>	[0..1]	±		74
	Amount <Amt>	[0..1]			75
	Unit <Unit>	[0..1]	CodeSet		75
	Currency <Ccy>	[0..1]	CodeSet	C1	75
	Amount <Amt>	[1..1]	Amount		76

2.4.2.7.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

2.4.2.7.2 Transaction <Tx>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Transaction <Tx> contains the following **LoyaltyTransaction6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		66
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		67
	Currency <Ccy>	[0..1]	CodeSet	C1	67
	TotalAmount <TtlAmt>	[0..1]	Amount		67
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		68
	SaleItem <SaleItem>	[0..*]	±		73

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

2.4.2.7.2.2 LoyaltyTransactionType <LltyTxTp>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Datatype: "LoyaltyTransactionType1Code" on page 1050

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 1017

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 1013

2.4.2.7.2.5 OriginalPOITransaction <OrgnlPOITx>

Presence: [0..1]

Definition: Data of a previous POI payment transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtnDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

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 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

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]	±		74
	Account <Acct>	[0..1]	±		74
	Amount <Amt>	[0..1]			75
	Unit <Unit>	[0..1]	CodeSet		75
	Currency <Ccy>	[0..1]	CodeSet	C1	75
	Amount <Amt>	[1..1]	Amount		76

2.4.2.7.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "CustomerOrder1" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		75
	Currency <Ccy>	[0..1]	CodeSet	C1	75
	Amount <Amt>	[1..1]	Amount		76

2.4.2.7.3.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "[AmountUnit1Code](#)" on page 1026

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 1017

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 1013

2.4.2.8 StoredValueRequest <StordValReq>

Presence: [0..1]

Definition: Content of a Stored Value Request.

StoredValueRequest <StordValReq> contains the following **StoredValueRequest7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		77
	Data <Data>	[1..*]			78
	Provider <Prvdr>	[0..1]	Text		78
	TransactionType <TxTp>	[1..1]	CodeSet		78
	AccountIdentification <AcctId>	[0..1]			79
	AccountType <AcctTp>	[0..1]	CodeSet		79
	IdentificationType <IdTp>	[0..1]	CodeSet		80
	Identification <Id>	[0..1]	Text		81
	Brand <Brnd>	[0..1]	Text		81
	Provider <Prvdr>	[0..1]	Text		81
	OwnerName <OwnrNm>	[0..1]	Text		81
	ExpiryDate <XpryDt>	[0..1]	Text		81
	EntryMode <NtryMd>	[0..1]	CodeSet		81
	Currency <Ccy>	[0..1]	CodeSet	C1	82
	Balance <Bal>	[0..1]	Amount		82
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		82
	ProductCode <PdctCd>	[0..1]	Text		87
	EANUPC <EANUPC>	[0..1]	Text		87
	ItemAmount <ItmAmt>	[0..1]	Amount		87
	Currency <Ccy>	[0..1]	CodeSet	C1	87
	HostTransactionIdentification <HstTxId>	[0..1]	±		88

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

2.4.2.8.2 Data <Data>*Presence:* [1..*]*Definition:* Data related to the stored value card.**Data <Data>** contains the following **StoredValueData7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		78
	TransactionType <TxTp>	[1..1]	CodeSet		78
	AccountIdentification <AcctId>	[0..1]			79
	AccountType <AcctTp>	[0..1]	CodeSet		79
	IdentificationType <IdTp>	[0..1]	CodeSet		80
	Identification <Id>	[0..1]	Text		81
	Brand <Brnd>	[0..1]	Text		81
	Provider <Prvdr>	[0..1]	Text		81
	OwnerName <OwnrNm>	[0..1]	Text		81
	ExpiryDate <XpryDt>	[0..1]	Text		81
	EntryMode <NtryMd>	[0..1]	CodeSet		81
	Currency <Ccy>	[0..1]	CodeSet	C1	82
	Balance <Bal>	[0..1]	Amount		82
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		82
	ProductCode <PdctCd>	[0..1]	Text		87
	EANUPC <EANUPC>	[0..1]	Text		87
	ItemAmount <ItmAmt>	[0..1]	Amount		87
	Currency <Ccy>	[0..1]	CodeSet	C1	87
	HostTransactionIdentification <HstTxId>	[0..1]	±		88

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 1088**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:* "StoredValueTransactionType3Code" on page 1073

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.
BALC	Balance	Balance enquiry.

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		79
	IdentificationType <IdTp>	[0..1]	CodeSet		80
	Identification <Id>	[0..1]	Text		81
	Brand <Brnd>	[0..1]	Text		81
	Provider <Prvd>	[0..1]	Text		81
	OwnerName <OwnrNm>	[0..1]	Text		81
	ExpiryDate <XpryDt>	[0..1]	Text		81
	EntryMode <NtryMd>	[0..1]	CodeSet		81
	Currency <Ccy>	[0..1]	CodeSet	C1	82
	Balance <Bal>	[0..1]	Amount		82

2.4.2.8.2.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

CodeName	Name	Definition
BNKA	BankPrepaidAccount	Prepaid account managed by a financial institution for low income customers.
CWVC	CarwashVoucher	Car wash specific account.
CPYA	CompanyPrepaidAccount	Specific prepaid account for companies or professionals expenses.
ELMY	ElectronicMoneyAccount	Account supporting e-money issued by an electronic money issuer.
GIFT	GiftCard	Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once.
GCER	GiftCertificate	Certificate to be given to a customer. Usually one shot voucher.
MLVC	MealVoucher	Meal and check voucher for restaurants.
OLVC	OnlineVoucher	Voucher that can be used online once or in several times.
MERC	MerchantAccount	Prepaid account open with a merchant or big retailers.
OTHR	OtherPrepaidAccount	Other non listed stored value instrument.
PHON	PhoneCard	Stored value instrument used to pay telephone services (e.g. card or identifier).
CARD	SmartCardTag	Stored value account hold on the chip of a smart card.
TRVL	Travel	Travel prepaid account.

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 1034

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.

2.4.2.8.2.3.3 Identification <Id>*Presence:* [0..1]*Definition:* Identification of Stored Value Account.*Datatype:* "Max35Text" on page 1088**2.4.2.8.2.3.4 Brand <Brnd>***Presence:* [0..1]*Definition:* Brand to which belong the account.*Datatype:* "Max35Text" on page 1088**2.4.2.8.2.3.5 Provider <Prvdr>***Presence:* [0..1]*Definition:* Provider of the Stored Value Account.*Datatype:* "Max35Text" on page 1088**2.4.2.8.2.3.6 OwnerName <OwnrNm>***Presence:* [0..1]*Definition:* Owner name of an account.*Datatype:* "Max45Text" on page 1089**2.4.2.8.2.3.7 ExpiryDate <XpryDt>***Presence:* [0..1]*Definition:* Expiry date of the account of card.*Datatype:* "Max10Text" on page 1086**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 1033

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.
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 1017

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 1013

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 "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIId>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrdr>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

2.4.2.8.2.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: "Max35Text" on page 1088

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 1088

2.4.2.8.2.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

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 1017

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

2.4.2.9 BatchRequest <BtchReq>

Presence: [0..1]

Definition: Content of the Batch Request.

BatchRequest <BtchReq> contains the following **BatchRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		90
	RemoveAllFlag <RmvAllFlg>	[0..1]	Indicator		90
	TransactionToPerform <TxToPrfrm>	[0..*]			90
{Or	PaymentRequest <PmtReq>	[0..1]			92
	PaymentTransaction <PmtTx>	[0..1]	±		92
	LoyaltyData <LltyData>	[0..*]			97
	CustomerOrder <CstmrOrd>	[0..1]	±		97
	Account <Acct>	[0..1]	±		98
	Amount <Amt>	[0..1]			98
	Unit <Unit>	[0..1]	CodeSet		99
	Currency <Ccy>	[0..1]	CodeSet	C1	99
	Amount <Amt>	[1..1]	Amount		99
Or	LoyaltyRequest <LltyReq>	[0..1]			99
	CustomerOrder <CstmrOrd>	[0..1]	±		100
	Transaction <Tx>	[1..1]			101
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		101
	LoyaltyTransactionType <LltyTxTp>	[1..1]	CodeSet		102
	Currency <Ccy>	[0..1]	CodeSet	C1	102
	TotalAmount <TtlAmt>	[0..1]	Amount		102
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		103
	SaleItem <SaleItm>	[0..*]	±		108
	Data <Data>	[0..*]			108
	CustomerOrder <CstmrOrd>	[0..1]	±		109
	Account <Acct>	[0..1]	±		109
	Amount <Amt>	[0..1]			110
	Unit <Unit>	[0..1]	CodeSet		110
	Currency <Ccy>	[0..1]	CodeSet	C1	110
	Amount <Amt>	[1..1]	Amount		111
Or}	ReversalRequest <RvslReq>	[0..1]			111
	ReversalTransaction <RvslTx>	[0..1]	±		111
	LoyaltyData <LltyData>	[0..*]			116

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..1]	±		116
	Account <Acct>	[0..1]	±		117
	Amount <Amt>	[0..1]			117
	Unit <Unit>	[0..1]	CodeSet		118
	Currency <Ccy>	[0..1]	CodeSet	C1	118
	Amount <Amt>	[1..1]	Amount		118
	ReversalReason <RvsIRsn>	[1..1]	CodeSet		118
	ReversedAmount <RvsdAmt>	[0..1]	Amount		119
	CustomerOrder <CstmrOrd>	[0..1]	±		119

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1083):

- *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 **TransactionToPerform6Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	PaymentRequest <PmtReq>	[0..1]			92
	PaymentTransaction <PmtTx>	[0..1]	±		92
	LoyaltyData <LltyData>	[0..*]			97
	CustomerOrder <CstmrOrd>	[0..1]	±		97
	Account <Acct>	[0..1]	±		98
	Amount <Amt>	[0..1]			98
	Unit <Unit>	[0..1]	CodeSet		99
	Currency <Ccy>	[0..1]	CodeSet	C1	99
	Amount <Amt>	[1..1]	Amount		99
Or	LoyaltyRequest <LltyReq>	[0..1]			99
	CustomerOrder <CstmrOrd>	[0..1]	±		100
	Transaction <Tx>	[1..1]			101
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		101
	LoyaltyTransactionType <LltyTxTp>	[1..1]	CodeSet		102
	Currency <Ccy>	[0..1]	CodeSet	C1	102
	TotalAmount <TtlAmt>	[0..1]	Amount		102
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		103
	SaleItem <Saleitm>	[0..*]	±		108
	Data <Data>	[0..*]			108
	CustomerOrder <CstmrOrd>	[0..1]	±		109
	Account <Acct>	[0..1]	±		109
	Amount <Amt>	[0..1]			110
	Unit <Unit>	[0..1]	CodeSet		110
	Currency <Ccy>	[0..1]	CodeSet	C1	110
	Amount <Amt>	[1..1]	Amount		111
Or}	ReversalRequest <Rvs/Req>	[0..1]			111
	ReversalTransaction <Rvs/Tx>	[0..1]	±		111
	LoyaltyData <LltyData>	[0..*]			116
	CustomerOrder <CstmrOrd>	[0..1]	±		116
	Account <Acct>	[0..1]	±		117

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[0..1]			117
	Unit <Unit>	[0..1]	CodeSet		118
	Currency <Ccy>	[0..1]	CodeSet	C1	118
	Amount <Amt>	[1..1]	Amount		118
	ReversalReason <RvslRsn>	[1..1]	CodeSet		118
	ReversedAmount <RvslAmt>	[0..1]	Amount		119
	CustomerOrder <CstmrOrd>	[0..1]	±		119

2.4.2.9.3.1 PaymentRequest <PmtReq>

Presence: [0..1]

Definition: Content of the Payment Request message.

PaymentRequest <PmtReq> contains the following **PaymentRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentTransaction <PmtTx>	[0..1]	±		92
	LoyaltyData <LltyData>	[0..*]			97
	CustomerOrder <CstmrOrd>	[0..1]	±		97
	Account <Acct>	[0..1]	±		98
	Amount <Amt>	[0..1]			98
	Unit <Unit>	[0..1]	CodeSet		99
	Currency <Ccy>	[0..1]	CodeSet	C1	99
	Amount <Amt>	[1..1]	Amount		99

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 ["CardPaymentTransaction136"](#) on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

2.4.2.9.3.1.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		97
	Account <Acct>	[0..1]	±		98
	Amount <Amt>	[0..1]			98
	Unit <Unit>	[0..1]	CodeSet		99
	Currency <Ccy>	[0..1]	CodeSet	C1	99
	Amount <Amt>	[1..1]	Amount		99

2.4.2.9.3.1.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		99
	Currency <Ccy>	[0..1]	CodeSet	C1	99
	Amount <Amt>	[1..1]	Amount		99

2.4.2.9.3.1.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 1026

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 1017

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 1013

2.4.2.9.3.2 LoyaltyRequest <LltyReq>

Presence: [0..1]

Definition: Content of the Loyalty Request message.

LoyaltyRequest <LtyReq> contains the following **LoyaltyRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		100
	Transaction <Tx>	[1..1]			101
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		101
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		102
	Currency <Ccy>	[0..1]	CodeSet	C1	102
	TotalAmount <TtlAmt>	[0..1]	Amount		102
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		103
	SaleItem <SaleItm>	[0..*]	±		108
	Data <Data>	[0..*]			108
	CustomerOrder <CstmrOrdr>	[0..1]	±		109
	Account <Acct>	[0..1]	±		109
	Amount <Amt>	[0..1]			110
	Unit <Unit>	[0..1]	CodeSet		110
	Currency <Ccy>	[0..1]	CodeSet	C1	110
	Amount <Amt>	[1..1]	Amount		111

2.4.2.9.3.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

2.4.2.9.3.2.2 Transaction <Tx>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Transaction <Tx> contains the following **LoyaltyTransaction6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		101
	LoyaltyTransactionType <LtyTxTp>	[1..1]	CodeSet		102
	Currency <Ccy>	[0..1]	CodeSet	C1	102
	TotalAmount <TtlAmt>	[0..1]	Amount		102
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		103
	SaleItem <Saleitm>	[0..*]	±		108

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

2.4.2.9.3.2.2.2 LoyaltyTransactionType <LtyTxTp>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Datatype: "LoyaltyTransactionType1Code" on page 1050

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 1017

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 1013

2.4.2.9.3.2.2.5 OriginalPOITransaction <OrgnlPOITx>

Presence: [0..1]

Definition: Data of a previous POI payment transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIId>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <Saleitm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

2.4.2.9.3.2.2.6 SaleItem <Saleitm>

Presence: [0..*]

Definition: Item purchased with the transaction.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

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]	±		109
	Account <Acct>	[0..1]	±		109
	Amount <Amt>	[0..1]			110
	Unit <Unit>	[0..1]	CodeSet		110
	Currency <Ccy>	[0..1]	CodeSet	C1	110
	Amount <Amt>	[1..1]	Amount		111

2.4.2.9.3.2.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "CustomerOrder1" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		110
	Currency <Ccy>	[0..1]	CodeSet	C1	110
	Amount <Amt>	[1..1]	Amount		111

2.4.2.9.3.2.3.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "[AmountUnit1Code](#)" on page 1026

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 1017

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 1013

2.4.2.9.3.3 ReversalRequest <RvslReq>

Presence: [0..1]

Definition: Content of the Reversal Request message.

ReversalRequest <RvslReq> contains the following **ReversalRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReversalTransaction <RvslTx>	[0..1]	±		111
	LoyaltyData <LltyData>	[0..*]			116
	CustomerOrder <CstmrOrdr>	[0..1]	±		116
	Account <Acct>	[0..1]	±		117
	Amount <Amt>	[0..1]			117
	Unit <Unit>	[0..1]	CodeSet		118
	Currency <Ccy>	[0..1]	CodeSet	C1	118
	Amount <Amt>	[1..1]	Amount		118
	ReversalReason <RvslRsn>	[1..1]	CodeSet		118
	ReversedAmount <RvslAmt>	[0..1]	Amount		119
	CustomerOrder <CstmrOrdr>	[0..1]	±		119

2.4.2.9.3.3.1 ReversalTransaction <RvslTx>

Presence: [0..1]

Definition: Transaction to reverse.

ReversalTransaction <RvsITx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtnDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

2.4.2.9.3.3.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrdr>	[0..1]	±		116
	Account <Acct>	[0..1]	±		117
	Amount <Amt>	[0..1]			117
	Unit <Unit>	[0..1]	CodeSet		118
	Currency <Ccy>	[0..1]	CodeSet	C1	118
	Amount <Amt>	[1..1]	Amount		118

2.4.2.9.3.3.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		118
	Currency <Ccy>	[0..1]	CodeSet	C1	118
	Amount <Amt>	[1..1]	Amount		118

2.4.2.9.3.3.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 1026

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 1017

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 1013

2.4.2.9.3.3.3 ReversalReason <RvsIRsn>

Presence: [1..1]

Definition: Reason for this reversal.

Datatype: "ReversalReason1Code" on page 1071

CodeName	Name	Definition
CUSC	CustomerCancellation	Customer cancels the transaction.

CodeName	Name	Definition
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 1013

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 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

2.4.2.10 EnableServiceRequest <NbISvcReq>

Presence: [0..1]

Definition: Content of the Enable Service Request.

EnableServiceRequest <NbISvcReq> contains the following **EnableServiceRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionAction <TxActn>	[1..1]	CodeSet		120
	ServicesEnabled <SvcNbld>	[0..1]	CodeSet		120
	DisplayOutput <DispOutpt>	[0..1]	±		121

2.4.2.10.1 TransactionAction <TxActn>

Presence: [1..1]

Definition: Action to realise on a transaction.

Datatype: "TransactionAction1Code" on page 1077

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.

2.4.2.10.2 ServicesEnabled <SvcNbld>

Presence: [0..1]

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

Datatype: "RetailerService2Code" on page 1067

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).

CodeName	Name	Definition
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 "[ActionMessage11](#)" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstr>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrnd>	[0..1]			865
	BarcodeType <BrndTp>	[1..1]	CodeSet		865
	BarcodeValue <BrndVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

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]	±		122
	AllowedPaymentBrand <AllwdPmtBrnd>	[0..*]	Text		122
	AllowedLoyaltyBrand <AllwdLltyBrnd>	[0..*]	Text		122
	ForceCustomerSelectionFlag <ForceCstmrSelctnFlg>	[0..1]	Indicator		122
	TotalAmount <TtlAmt>	[0..1]	Amount		123
	PaymentType <PmtTp>	[0..1]	CodeSet		123
	CashBackFlag <CshBckFlg>	[0..1]	Indicator		123
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		123
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		124
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		124

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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 1088

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 1083):

- *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 1013

2.4.2.11.6 PaymentType <PmtTp>

Presence: [0..1]

Definition: Type of payment transaction.

Datatype: "CardPaymentServiceType13Code" on page 1036

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.

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 1083):

- *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 1090

2.4.2.11.9 SaleToAcquirerData <SaleToAcqrrData>*Presence:* [0..1]*Definition:* Sale information intended for the Acquirer.*Datatype:* "Max70Text" on page 1090**2.4.2.11.10 SaleToIssuerData <SaleToIssrData>***Presence:* [0..1]*Definition:* Sale information intended for the Issuer.*Datatype:* "Max70Text" on page 1090**2.4.2.12 SupplementaryData <SplmtryData>***Presence:* [0..*]*Definition:* Additional information incorporated as an extension to the message.*Impacted by:* C6 "SupplementaryDataRule"**SupplementaryData <SplmtryData>** contains the following elements (see "SupplementaryData1" on page 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "ContentInformationType38" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

3 casp.002.001.06 SaleToPOIServiceResponseV06

3.1 MessageDefinition Functionality

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

Outline

The SaleToPOIServiceResponseV06 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]			131
	MessageFunction <MsgFctn>	[1..1]	CodeSet		132
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		133
	ExchangeIdentification <XchgId>	[1..1]	Text		133
	CreationDateTime <CreDtTm>	[1..1]	DateTime		133
	InitiatingParty <InitgPty>	[1..1]	±		133
	RecipientParty <RcptPty>	[0..1]	±		134
	Traceability <Tracblt>	[0..*]	±		135
	ServiceResponse <SvcRspn>	[1..1]			135
	Environment <Envt>	[1..1]	±		140
	Context <Cntxt>	[1..1]	±		146
	ServiceContent <SvcCntt>	[1..1]	CodeSet		149
	PaymentResponse <PmtRspn>	[0..1]			149
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		150
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		151
	POITransactionIdentification <POITxId>	[1..1]	±		151
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		151
	IssuerReferenceData <IssrRefData>	[0..1]	Text		151
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		151
	PaymentReceipt <PmtRct>	[0..*]	±		154
	LoyaltyResult <LltyRslt>	[0..*]			154
	Account <Acct>	[1..1]	±		155
	Amount <Amt>	[0..1]			156
	Unit <Unit>	[0..1]	CodeSet		156
	Currency <Ccy>	[0..1]	CodeSet	C1	156
	Amount <Amt>	[1..1]	Amount		156
	ServerData <SvrData>	[0..1]			156
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		157
	ApprovalCode <ApprvlCd>	[0..1]	Text		157

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		157
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		157
	Rebates <Rbts>	[0..1]			157
	TotalRebate <TtlRbt>	[0..1]	Amount		158
	RebateLabel <RbtLbl>	[0..1]	Text		158
	SaleItemRebate <SaleitmRbt>	[0..*]			158
	SaleItem <Saleitm>	[1..1]	±		158
	RebateLabel <RbtLbl>	[0..1]	Text		159
	CustomerOrder <CstmrOrd>	[0..*]	±		159
	ReversalResponse <RvsIRspn>	[0..1]			160
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		160
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		161
	POITransactionIdentification <POITxId>	[1..1]	±		161
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		161
	IssuerReferenceData <IssrRefData>	[0..1]	Text		161
	ReversalTransactionResult <RvsITxRsIt>	[1..1]			161
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		162
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		162
	CustomerOrder <CstmrOrd>	[0..*]	±		167
	ReversedAmount <RvsdAmt>	[0..1]	Amount		167
	Receipt <Rct>	[0..*]	±		167
	BalanceInquiryResponse <BalNqryRspn>	[0..1]			168
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		169
	POITransactionIdentification <POITxId>	[0..1]	±		169
	PaymentAccount <PmtAcct>	[0..1]			169
	Currency <Ccy>	[0..1]	CodeSet	C1	169
	CurrentBalance <CurBal>	[0..1]	Amount		170
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		170
	LoyaltyAccount <LtyAcct>	[0..1]	±		170
	StoredValueAccount <StordValAcct>	[0..*]			170
	AccountType <AcctTp>	[0..1]	CodeSet		171

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	IdentificationType <IdTp>	[0..1]	CodeSet		172
	Identification <Id>	[0..1]	Text		172
	Brand <Brnd>	[0..1]	Text		172
	Provider <Prvdr>	[0..1]	Text		172
	OwnerName <OwnrNm>	[0..1]	Text		172
	ExpiryDate <XpryDt>	[0..1]	Text		173
	EntryMode <NtryMd>	[0..1]	CodeSet		173
	Currency <Ccy>	[0..1]	CodeSet	C1	173
	Balance <Bal>	[0..1]	Amount		174
	Receipt <Rct>	[0..*]	±		174
	LoyaltyResponse <LltyRspn>	[0..1]			174
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		175
	POITransactionIdentification <POITxld>	[1..1]	±		175
	POIReconciliationIdentification <POIRcncltnld>	[0..1]	Text		176
	Result <Rslt>	[0..*]			176
	Account <Acct>	[1..1]	±		177
	Amount <Amt>	[0..1]			177
	Unit <Unit>	[0..1]	CodeSet		177
	Currency <Ccy>	[0..1]	CodeSet	C1	177
	Amount <Amt>	[1..1]	Amount		178
	ServerData <SvrData>	[0..1]			178
	LoyaltyServerIdentification <LltySvrld>	[0..1]	Text		178
	ApprovalCode <ApprvlCd>	[0..1]	Text		178
	LoyaltyTransactionIdentification <LltyTxld>	[0..1]	±		178
	HostReconciliationIdentification <HstRcncltnld>	[0..1]	Text		179
	Rebates <Rbts>	[0..1]			179
	TotalRebate <TtlRbt>	[0..1]	Amount		179
	RebateLabel <RbtLabl>	[0..1]	Text		179
	SaleItemRebate <SaleitmRbt>	[0..*]			179
	SaleItem <Saleitm>	[1..1]	±		180
	RebateLabel <RbtLabl>	[0..1]	Text		180

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	StoredValueResponse <StordValRspn>	[0..1]			180
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		181
	POITransactionIdentification <POITxId>	[1..1]	±		182
	Result <Rslt>	[0..*]			182
	Provider <Prvdr>	[0..1]	Text		183
	TransactionType <TxTp>	[1..1]	CodeSet		183
	AccountIdentification <AcctId>	[0..1]			184
	AccountType <AcctTp>	[0..1]	CodeSet		184
	IdentificationType <IdTp>	[0..1]	CodeSet		185
	Identification <Id>	[0..1]	Text		185
	Brand <Brnd>	[0..1]	Text		186
	Provider <Prvdr>	[0..1]	Text		186
	OwnerName <OwnrNm>	[0..1]	Text		186
	ExpiryDate <XpryDt>	[0..1]	Text		186
	EntryMode <NtryMd>	[0..1]	CodeSet		186
	Currency <Ccy>	[0..1]	CodeSet	C1	187
	Balance <Bal>	[0..1]	Amount		187
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		187
	ProductCode <PdctCd>	[0..1]	Text		192
	EANUPC <EANUPC>	[0..1]	Text		192
	ItemAmount <ItmAmt>	[0..1]	Amount		192
	Currency <Ccy>	[0..1]	CodeSet	C1	192
	HostTransactionIdentification <HstTxId>	[0..1]	±		193
	Receipt <Rct>	[0..*]	±		193
	BatchResponse <BtchRspn>	[0..1]			193
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		194
	POIBatchIdentification <POIBtchId>	[0..1]	±		195
	PerformedTransaction <PrfrmdTx>	[0..*]			195
	Response <Rspn>	[1..1]	±		196
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		197
	POITransactionIdentification <POITxId>	[0..1]	±		197

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		197
	PaymentResult <PmtRslt>	[0..1]	±		197
	LoyaltyResult <LtyRslt>	[0..*]			200
	Account <Acct>	[1..1]	±		201
	Amount <Amt>	[0..1]			202
	Unit <Unit>	[0..1]	CodeSet		202
	Currency <Ccy>	[0..1]	CodeSet	C1	202
	Amount <Amt>	[1..1]	Amount		202
	ServerData <SvrData>	[0..1]			202
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		203
	ApprovalCode <ApprvlCd>	[0..1]	Text		203
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		203
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		203
	Rebates <Rbts>	[0..1]			203
	TotalRebate <TtlRbt>	[0..1]	Amount		204
	RebateLabel <RbtLbl>	[0..1]	Text		204
	SaleItemRebate <SaleitmRbt>	[0..*]			204
	SaleItem <Saleitm>	[1..1]	±		204
	RebateLabel <RbtLbl>	[0..1]	Text		205
	ReversedAmount <RvsdAmt>	[0..1]	Amount		205
	CardAcquisitionResponse <CardAcqstnRspn>	[0..1]			205
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		206
	POITransactionIdentification <POITxId>	[1..1]	±		206
	PaymentBrand <PmtBrnd>	[0..*]	Text		206
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	206
	LoyaltyAccount <LtyAcct>	[0..*]	±		207
	CustomerOrder <CstmrOrd>	[0..*]	±		207
	Response <Rspn>	[1..1]	±		208
	SupplementaryData <SplmtryData>	[0..*]	±	C6	208
	SecurityTrailer <SctyTrlr>	[0..1]	±		209

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 **CurrencyAmount**

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

C5 **IBAN**

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

C6 **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.

C7 **ValidationByTable**

Must be a valid terrestrial language.

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		132
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		133
	ExchangeIdentification <XchgId>	[1..1]	Text		133
	CreationDateTime <CreDtTm>	[1..1]	DateTime		133
	InitiatingParty <InitgPty>	[1..1]	±		133
	RecipientParty <RcptPty>	[0..1]	±		134
	Traceability <Tracblt>	[0..*]	±		135

3.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

3.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

3.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

3.4.2 ServiceResponse <SvcRspn>

Presence: [1..1]

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

ServiceResponse <SvcRspn> contains the following **ServiceResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		140
	Context <Cntxt>	[1..1]	±		146
	ServiceContent <SvcCntt>	[1..1]	CodeSet		149
	PaymentResponse <PmtRspn>	[0..1]			149
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		150
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		151
	POITransactionIdentification <POITxId>	[1..1]	±		151
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		151
	IssuerReferenceData <IssrRefData>	[0..1]	Text		151
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		151
	PaymentReceipt <PmtRct>	[0..*]	±		154
	LoyaltyResult <LtyRslt>	[0..*]			154
	Account <Acct>	[1..1]	±		155
	Amount <Amt>	[0..1]			156
	Unit <Unit>	[0..1]	CodeSet		156
	Currency <Ccy>	[0..1]	CodeSet	C1	156
	Amount <Amt>	[1..1]	Amount		156
	ServerData <SvrData>	[0..1]			156
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		157
	ApprovalCode <ApprvlCd>	[0..1]	Text		157
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		157
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		157
	Rebates <Rbts>	[0..1]			157
	TotalRebate <TtlRbt>	[0..1]	Amount		158
	RebateLabel <RbtLabl>	[0..1]	Text		158
	SaleItemRebate <SaleItmRbt>	[0..*]			158
	SaleItem <SaleItm>	[1..1]	±		158
	RebateLabel <RbtLabl>	[0..1]	Text		159
	CustomerOrder <CstmrOrd>	[0..*]	±		159
	ReversalResponse <RvslRspn>	[0..1]			160
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		160

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		161
	POITransactionIdentification <POITxId>	[1..1]	±		161
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		161
	IssuerReferenceData <IssrRefData>	[0..1]	Text		161
	ReversalTransactionResult <RvsITxRslt>	[1..1]			161
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		162
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		162
	CustomerOrder <CstmrOrd>	[0..*]	±		167
	ReversedAmount <RvsdAmt>	[0..1]	Amount		167
	Receipt <Rct>	[0..*]	±		167
	BalanceInquiryResponse <BalInqryRspn>	[0..1]			168
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		169
	POITransactionIdentification <POITxId>	[0..1]	±		169
	PaymentAccount <PmtAcct>	[0..1]			169
	Currency <Ccy>	[0..1]	CodeSet	C1	169
	CurrentBalance <CurBal>	[0..1]	Amount		170
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		170
	LoyaltyAccount <LltyAcct>	[0..1]	±		170
	StoredValueAccount <StordValAcct>	[0..*]			170
	AccountType <AcctTp>	[0..1]	CodeSet		171
	IdentificationType <IdTp>	[0..1]	CodeSet		172
	Identification <Id>	[0..1]	Text		172
	Brand <Brnd>	[0..1]	Text		172
	Provider <Prvdr>	[0..1]	Text		172
	OwnerName <OwnrNm>	[0..1]	Text		172
	ExpiryDate <XpryDt>	[0..1]	Text		173
	EntryMode <NtryMd>	[0..1]	CodeSet		173
	Currency <Ccy>	[0..1]	CodeSet	C1	173
	Balance <Bal>	[0..1]	Amount		174
	Receipt <Rct>	[0..*]	±		174
	LoyaltyResponse <LltyRspn>	[0..1]			174

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		175
	POITransactionIdentification <POITxId>	[1..1]	±		175
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		176
	Result <Rslt>	[0..*]			176
	Account <Acct>	[1..1]	±		177
	Amount <Amt>	[0..1]			177
	Unit <Unit>	[0..1]	CodeSet		177
	Currency <Ccy>	[0..1]	CodeSet	C1	177
	Amount <Amt>	[1..1]	Amount		178
	ServerData <SvrData>	[0..1]			178
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		178
	ApprovalCode <ApprvlCd>	[0..1]	Text		178
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		178
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		179
	Rebates <Rbts>	[0..1]			179
	TotalRebate <TtlRbt>	[0..1]	Amount		179
	RebateLabel <RbtLbl>	[0..1]	Text		179
	SaleItemRebate <SaleitmRbt>	[0..*]			179
	SaleItem <Saleitm>	[1..1]	±		180
	RebateLabel <RbtLbl>	[0..1]	Text		180
	StoredValueResponse <StordValRspn>	[0..1]			180
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		181
	POITransactionIdentification <POITxId>	[1..1]	±		182
	Result <Rslt>	[0..*]			182
	Provider <Prvdr>	[0..1]	Text		183
	TransactionType <TxTp>	[1..1]	CodeSet		183
	AccountIdentification <AcctId>	[0..1]			184
	AccountType <AcctTp>	[0..1]	CodeSet		184
	IdentificationType <IdTp>	[0..1]	CodeSet		185
	Identification <Id>	[0..1]	Text		185
	Brand <Brnd>	[0..1]	Text		186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		186
	OwnerName <OwnrNm>	[0..1]	Text		186
	ExpiryDate <XpryDt>	[0..1]	Text		186
	EntryMode <NtryMd>	[0..1]	CodeSet		186
	Currency <Ccy>	[0..1]	CodeSet	C1	187
	Balance <Bal>	[0..1]	Amount		187
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		187
	ProductCode <PdctCd>	[0..1]	Text		192
	EANUPC <EANUPC>	[0..1]	Text		192
	ItemAmount <ItmAmt>	[0..1]	Amount		192
	Currency <Ccy>	[0..1]	CodeSet	C1	192
	HostTransactionIdentification <HstTxId>	[0..1]	±		193
	Receipt <Rct>	[0..*]	±		193
	BatchResponse <BtchRspn>	[0..1]			193
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		194
	POIBatchIdentification <POIBtchId>	[0..1]	±		195
	PerformedTransaction <PrfrmdTx>	[0..*]			195
	Response <Rspn>	[1..1]	±		196
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		197
	POITransactionIdentification <POITxId>	[0..1]	±		197
	POIReconciliationIdentification <POIRcnclnId>	[0..1]	Text		197
	PaymentResult <PmtRslt>	[0..1]	±		197
	LoyaltyResult <LltyRslt>	[0..*]			200
	Account <Acct>	[1..1]	±		201
	Amount <Amt>	[0..1]			202
	Unit <Unit>	[0..1]	CodeSet		202
	Currency <Ccy>	[0..1]	CodeSet	C1	202
	Amount <Amt>	[1..1]	Amount		202
	ServerData <SvrData>	[0..1]			202
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		203
	ApprovalCode <ApprvlCd>	[0..1]	Text		203

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		203
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		203
	Rebates <Rbts>	[0..1]			203
	TotalRebate <TtlRbt>	[0..1]	Amount		204
	RebateLabel <RbtLbl>	[0..1]	Text		204
	SaleItemRebate <SaleitmRbt>	[0..*]			204
	SaleItem <Saleitm>	[1..1]	±		204
	RebateLabel <RbtLbl>	[0..1]	Text		205
	ReversedAmount <RvsdAmt>	[0..1]	Amount		205
	CardAcquisitionResponse <CardAcqstnRspn>	[0..1]			205
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		206
	POITransactionIdentification <POITxId>	[1..1]	±		206
	PaymentBrand <PmtBrnd>	[0..*]	Text		206
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	206
	LoyaltyAccount <LtyAcct>	[0..*]	±		207
	CustomerOrder <CstmrOrdr>	[0..*]	±		207
	Response <Rspn>	[1..1]	±		208
	SupplementaryData <SplmtryData>	[0..*]	±	C6	208

3.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrctdCrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrlId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

3.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service response.

Datatype: "RetailerService3Code" on page 1068

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 **PaymentResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		150
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		151
	POITransactionIdentification <POITxId>	[1..1]	±		151
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		151
	IssuerReferenceData <IssrRefData>	[0..1]	Text		151
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		151
	PaymentReceipt <PmtRct>	[0..*]	±		154
	LoyaltyResult <LltyRslt>	[0..*]			154
	Account <Acct>	[1..1]	±		155
	Amount <Amt>	[0..1]			156
	Unit <Unit>	[0..1]	CodeSet		156
	Currency <Ccy>	[0..1]	CodeSet	C1	156
	Amount <Amt>	[1..1]	Amount		156
	ServerData <SvrData>	[0..1]			156
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		157
	ApprovalCode <ApprvlCd>	[0..1]	Text		157
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		157
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		157
	Rebates <Rbts>	[0..1]			157
	TotalRebate <TtlRbt>	[0..1]	Amount		158
	RebateLabel <RbtLabl>	[0..1]	Text		158
	SaleItemRebate <SaleitmRbt>	[0..*]			158
	SaleItem <Saleitm>	[1..1]	±		158
	RebateLabel <RbtLabl>	[0..1]	Text		159
	CustomerOrder <CstmrOrd>	[0..*]	±		159

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

3.4.2.4.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 1086

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 "RetailerPaymentResult6" on page 764 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		767
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		768
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		769
	RequestedTransaction <ReqdTxx>	[0..1]	±		769
	TransactionResponse <TxRspn>	[0..1]			774
	AuthorisationResult <AuthstnRslt>	[1..1]			777
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		777
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			778
	Response <Rspn>	[1..1]	CodeSet		778
	ResponseReason <RspnRsn>	[0..1]	Text		778
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		778
	AuthorisationCode <AuthstnCd>	[0..1]	Text		778
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		778
	TMSTrigger <TMSTrggr>	[0..1]			779
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		779
	TMSIdentification <TMSId>	[0..1]	Text		779
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		779
	AllowedProductCode <AllwdPdctCd>	[0..*]			779
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		781
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		781
	AmountLimit <AmtLmt>	[0..1]	Amount		781
	QuantityLimit <QtyLmt>	[0..1]	Quantity		781
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		781
	Balance <Bal>	[0..1]	±		783

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedBalance <PrtctdBal>	[0..1]	±		783
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]	±		785
	RemoteAccess <RmotAccs>	[0..1]	±		786
	Retry <Rtry>	[0..1]	±		786
	TimeCondition <TmCond>	[0..1]	±		786
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			787
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		789
	TargetCurrency <TrgtCcy>	[1..1]			789
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	789
	NumericCode <NmrcCd>	[1..1]	Text		789
	Decimal <Dcml>	[1..1]	Quantity		789
	Name <Nm>	[0..1]	Text		790
	ResultingAmount <RsltAmt>	[0..1]	Amount		790
	ExchangeRate <XchgRate>	[1..1]	Rate		790
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		790
	QuotationDate <QtnDt>	[0..1]	DateTime		790
	ValidFrom <VldFr>	[0..1]	DateTime		790
	ValidUntil <VldUntil>	[0..1]	DateTime		790
	SourceCurrency <SrcCcy>	[1..1]			790
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	791
	NumericCode <NmrcCd>	[0..1]	Text		791
	Decimal <Dcml>	[0..1]	Quantity		791
	Name <Nm>	[0..1]	Text		791
	ApplicableBinRange <AplblBinRg>	[0..*]			791
	LowerBin <LwrBin>	[1..1]	Text		792
	HigherBin <HghrBin>	[1..1]	Text		792
	OriginalAmount <OrgnlAmt>	[0..1]			792
	ActualAmount <ActlAmt>	[0..1]	Amount		792
	MinimumAmount <MinAmt>	[0..1]	Amount		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumAmount <MaxAmt>	[0..1]	Amount		792
	CommissionDetails <ComssnDtls>	[0..*]			793
	Amount <Amt>	[1..1]	Amount		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	MarkUpDetails <MrkUpDtls>	[0..*]			793
	Rate <Rate>	[1..1]	Rate		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	DeclarationDetails <DclrtDtls>	[0..*]	±		793
	CustomerOrder <CstmrOrd>	[0..*]	±		794
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			795
	ImageFormat <ImgFrmt>	[1..1]	Text		795
	ImageData <ImgData>	[0..1]	Binary		795
	ImageReference <ImgRef>	[0..1]	Text		796
	AdditionalInformation <AddtlInf>	[0..1]	Text		796
	ProtectedCapturedSignature <PrctdCaptrdSgntr>	[0..1]	±		796
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		796
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	796
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		796

3.4.2.4.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

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]	±		155
	Amount <Amt>	[0..1]			156
	Unit <Unit>	[0..1]	CodeSet		156
	Currency <Ccy>	[0..1]	CodeSet	C1	156
	Amount <Amt>	[1..1]	Amount		156
	ServerData <SvrData>	[0..1]			156
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		157
	ApprovalCode <ApprvICd>	[0..1]	Text		157
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		157
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		157
	Rebates <Rbts>	[0..1]			157
	TotalRebate <TtlRbt>	[0..1]	Amount		158
	RebateLabel <RbtLbl>	[0..1]	Text		158
	SaleItemRebate <SaleItmRbt>	[0..*]			158
	SaleItem <SaleItm>	[1..1]	±		158
	RebateLabel <RbtLbl>	[0..1]	Text		159

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		156
	Currency <Ccy>	[0..1]	CodeSet	C1	156
	Amount <Amt>	[1..1]	Amount		156

3.4.2.4.8.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 1026

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 1017**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 1013**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		157
	ApprovalCode <ApprvICd>	[0..1]	Text		157
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		157
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		157

3.4.2.4.8.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 1088

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 1091

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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		158
	RebateLabel <RbtLbl>	[0..1]	Text		158
	SaleItemRebate <SaleitmRbt>	[0..*]			158
	SaleItem <Saleitm>	[1..1]	±		158
	RebateLabel <RbtLbl>	[0..1]	Text		159

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 1013

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 1088

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]	±		158
	RebateLabel <RbtLbl>	[0..1]	Text		159

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 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

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 1088

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 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

3.4.2.5 ReversalResponse <RvslRspn>

Presence: [0..1]

Definition: Response Data to a Reversal request.

ReversalResponse <RvslRspn> contains the following **ReversalResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		160
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		161
	POITransactionIdentification <POITxId>	[1..1]	±		161
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		161
	IssuerReferenceData <IssrRefData>	[0..1]	Text		161
	ReversalTransactionResult <RvslTxRslt>	[1..1]			161
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		162
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		162
	CustomerOrder <CstmrOrd>	[0..*]	±		167
	ReversedAmount <RvsdAmt>	[0..1]	Amount		167
	Receipt <Rct>	[0..*]	±		167

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

3.4.2.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 1086

3.4.2.5.6 ReversalTransactionResult <RvsITxRslt>

Presence: [1..1]

Definition: Result of reversal transaction.

ReversalTransactionResult <RvsITxRslt> contains the following **RetailerReversalResult6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		162
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		162
	CustomerOrder <CstmrOrd>	[0..*]	±		167

3.4.2.5.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

Datatype: "Max35Text" on page 1088

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 "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtnDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

3.4.2.5.6.3 CustomerOrder <CstmrOrdrr>

Presence: [0..*]

Definition: Updated Customer order list after reversal.

CustomerOrder <CstmrOrdrr> contains the following elements (see "CustomerOrder1" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrrId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdrrStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

3.4.2.5.7 ReversedAmount <RvstdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

3.4.2.5.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

Receipt <Rct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

3.4.2.6 BalanceInquiryResponse <BalNqryRspn>

Presence: [0..1]

Definition: Response data to a balance inquiry service request.

BalanceInquiryResponse <BalNqryRspn> contains the following **BalanceInquiryResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		169
	POITransactionIdentification <POITxId>	[0..1]	±		169
	PaymentAccount <PmtAcct>	[0..1]			169
	Currency <Ccy>	[0..1]	CodeSet	C1	169
	CurrentBalance <CurBal>	[0..1]	Amount		170
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		170
	LoyaltyAccount <LtyAcct>	[0..1]	±		170
	StoredValueAccount <StordValAcct>	[0..*]			170
	AccountType <AcctTp>	[0..1]	CodeSet		171
	IdentificationType <IdTp>	[0..1]	CodeSet		172
	Identification <Id>	[0..1]	Text		172
	Brand <Brnd>	[0..1]	Text		172
	Provider <Prvdr>	[0..1]	Text		172
	OwnerName <OwnrNm>	[0..1]	Text		172
	ExpiryDate <XpryDt>	[0..1]	Text		173
	EntryMode <NtryMd>	[0..1]	CodeSet		173
	Currency <Ccy>	[0..1]	CodeSet	C1	173
	Balance <Bal>	[0..1]	Amount		174
	Receipt <Rct>	[0..*]	±		174

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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	169
	CurrentBalance <CurBal>	[0..1]	Amount		170
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		170

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 1017**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 1013

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 638 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		638
	ParametersVersion <ParamsVrsn>	[0..1]	Text		638

3.4.2.6.4 LoyaltyAccount <LltyAcct>

Presence: [0..1]

Definition: Loyalty account information.

LoyaltyAccount <LltyAcct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LltyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		171
	IdentificationType <IdTp>	[0..1]	CodeSet		172
	Identification <Id>	[0..1]	Text		172
	Brand <Brnd>	[0..1]	Text		172
	Provider <Prvdr>	[0..1]	Text		172
	OwnerName <OwnrNm>	[0..1]	Text		172
	ExpiryDate <XpryDt>	[0..1]	Text		173
	EntryMode <NtryMd>	[0..1]	CodeSet		173
	Currency <Ccy>	[0..1]	CodeSet	C1	173
	Balance <Bal>	[0..1]	Amount		174

3.4.2.6.5.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

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 1034

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 1088

3.4.2.6.5.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

3.4.2.6.5.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

3.4.2.6.5.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

3.4.2.6.5.7 ExpiryDate <XpryDt>*Presence:* [0..1]*Definition:* Expiry date of the account of card.*Datatype:* "Max10Text" on page 1086**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 1033

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 1017**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 1013

3.4.2.6.6 Receipt <Rct>

Presence: [0..*]

Definition: Receipt to print after a balance inquiry.

Receipt <Rct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

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]	±		175
	POITransactionIdentification <POITxId>	[1..1]	±		175
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		176
	Result <Rslt>	[0..*]			176
	Account <Acct>	[1..1]	±		177
	Amount <Amt>	[0..1]			177
	Unit <Unit>	[0..1]	CodeSet		177
	Currency <Ccy>	[0..1]	CodeSet	C1	177
	Amount <Amt>	[1..1]	Amount		178
	ServerData <SvrData>	[0..1]			178
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		178
	ApprovalCode <ApprvlCd>	[0..1]	Text		178
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		178
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		179
	Rebates <Rbts>	[0..1]			179
	TotalRebate <TtlRbt>	[0..1]	Amount		179
	RebateLabel <RbtLabl>	[0..1]	Text		179
	SaleItemRebate <SaleitmRbt>	[0..*]			179
	SaleItem <Saleitm>	[1..1]	±		180
	RebateLabel <RbtLabl>	[0..1]	Text		180

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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]	±		177
	Amount <Amt>	[0..1]			177
	Unit <Unit>	[0..1]	CodeSet		177
	Currency <Ccy>	[0..1]	CodeSet	C1	177
	Amount <Amt>	[1..1]	Amount		178
	ServerData <SvrData>	[0..1]			178
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		178
	ApprovalCode <ApprvlCd>	[0..1]	Text		178
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		178
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		179
	Rebates <Rbts>	[0..1]			179
	TotalRebate <TtlRbt>	[0..1]	Amount		179
	RebateLabel <RbtLbl>	[0..1]	Text		179
	SaleItemRebate <SaleItmRbt>	[0..*]			179
	SaleItem <SaleItm>	[1..1]	±		180
	RebateLabel <RbtLbl>	[0..1]	Text		180

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		177
	Currency <Ccy>	[0..1]	CodeSet	C1	177
	Amount <Amt>	[1..1]	Amount		178

3.4.2.7.4.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 1026

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 1017

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 1013

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		178
	ApprovalCode <ApprvICd>	[0..1]	Text		178
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		178
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		179

3.4.2.7.4.3.1 LoyaltyServerIdentification <LltySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 1088

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 1091

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

3.4.2.7.4.3.4 HostReconciliationIdentification <HstRcncldId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

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		179
	RebateLabel <RbtLbl>	[0..1]	Text		179
	SaleItemRebate <SaleItmRbt>	[0..*]			179
	SaleItem <SaleItm>	[1..1]	±		180
	RebateLabel <RbtLbl>	[0..1]	Text		180

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 1013

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 1088

3.4.2.7.4.4.3 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]	±		180
	RebateLabel <RbtLbl>	[0..1]	Text		180

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 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

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 1088

3.4.2.8 StoredValueResponse <StordValRspn>

Presence: [0..1]

Definition: Response data to a Stored Value request.

StoredValueResponse <StordValRspn> contains the following **StoredValueResponse7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		181
	POITransactionIdentification <POITxId>	[1..1]	±		182
	Result <RsIt>	[0..*]			182
	Provider <Prvdr>	[0..1]	Text		183
	TransactionType <TxTp>	[1..1]	CodeSet		183
	AccountIdentification <AcctId>	[0..1]			184
	AccountType <AcctTp>	[0..1]	CodeSet		184
	IdentificationType <IdTp>	[0..1]	CodeSet		185
	Identification <Id>	[0..1]	Text		185
	Brand <Brnd>	[0..1]	Text		186
	Provider <Prvdr>	[0..1]	Text		186
	OwnerName <OwnrNm>	[0..1]	Text		186
	ExpiryDate <XpryDt>	[0..1]	Text		186
	EntryMode <NtryMd>	[0..1]	CodeSet		186
	Currency <Ccy>	[0..1]	CodeSet	C1	187
	Balance <Bal>	[0..1]	Amount		187
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		187
	ProductCode <PdctCd>	[0..1]	Text		192
	EANUPC <EANUPC>	[0..1]	Text		192
	ItemAmount <ItmAmt>	[0..1]	Amount		192
	Currency <Ccy>	[0..1]	CodeSet	C1	192
	HostTransactionIdentification <HstTxId>	[0..1]	±		193
	Receipt <Rct>	[0..*]	±		193

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

3.4.2.8.3 Result <RsIt>

Presence: [0..*]

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

Result <Rslt> contains the following **StoredValueData7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		183
	TransactionType <TxTp>	[1..1]	CodeSet		183
	AccountIdentification <AcctId>	[0..1]			184
	AccountType <AcctTp>	[0..1]	CodeSet		184
	IdentificationType <IdTp>	[0..1]	CodeSet		185
	Identification <Id>	[0..1]	Text		185
	Brand <Brnd>	[0..1]	Text		186
	Provider <Prvdr>	[0..1]	Text		186
	OwnerName <OwnrNm>	[0..1]	Text		186
	ExpiryDate <XpryDt>	[0..1]	Text		186
	EntryMode <NtryMd>	[0..1]	CodeSet		186
	Currency <Ccy>	[0..1]	CodeSet	C1	187
	Balance <Bal>	[0..1]	Amount		187
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		187
	ProductCode <PdctCd>	[0..1]	Text		192
	EANUPC <EANUPC>	[0..1]	Text		192
	ItemAmount <ItmAmt>	[0..1]	Amount		192
	Currency <Ccy>	[0..1]	CodeSet	C1	192
	HostTransactionIdentification <HstTxId>	[0..1]	±		193

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 1088

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: "StoredValueTransactionType3Code" on page 1073

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.
BALC	Balance	Balance enquiry.

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		184
	IdentificationType <IdTp>	[0..1]	CodeSet		185
	Identification <Id>	[0..1]	Text		185
	Brand <Brnd>	[0..1]	Text		186
	Provider <Prvdr>	[0..1]	Text		186
	OwnerName <OwnrNm>	[0..1]	Text		186
	ExpiryDate <XpryDt>	[0..1]	Text		186
	EntryMode <NtryMd>	[0..1]	CodeSet		186
	Currency <Ccy>	[0..1]	CodeSet	C1	187
	Balance <Bal>	[0..1]	Amount		187

3.4.2.8.3.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

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.

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 1034

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 1088

3.4.2.8.3.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

3.4.2.8.3.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

3.4.2.8.3.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

3.4.2.8.3.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

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 1033

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.

CodeName	Name	Definition
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.)

3.4.2.8.3.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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 1013

3.4.2.8.3.4 OriginalPOITransaction <OrgnlPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <Saleitm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

3.4.2.8.3.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: "Max35Text" on page 1088

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 1088

3.4.2.8.3.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

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 1017

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

3.4.2.8.4 Receipt <Rct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

Receipt <Rct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

3.4.2.9 BatchResponse <BtchRspn>

Presence: [0..1]

Definition: Content of the Batch Response message.

BatchResponse <BtchRspn> contains the following **BatchResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		194
	POIBatchIdentification <POIBtchId>	[0..1]	±		195
	PerformedTransaction <PrfrmdTx>	[0..*]			195
	Response <Rspn>	[1..1]	±		196
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		197
	POITransactionIdentification <POITxId>	[0..1]	±		197
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		197
	PaymentResult <PmtRslt>	[0..1]	±		197
	LoyaltyResult <LtyRslt>	[0..*]			200
	Account <Acct>	[1..1]	±		201
	Amount <Amt>	[0..1]			202
	Unit <Unit>	[0..1]	CodeSet		202
	Currency <Ccy>	[0..1]	CodeSet	C1	202
	Amount <Amt>	[1..1]	Amount		202
	ServerData <SvrData>	[0..1]			202
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		203
	ApprovalCode <ApprvlCd>	[0..1]	Text		203
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		203
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		203
	Rebates <Rbts>	[0..1]			203
	TotalRebate <TtlRbt>	[0..1]	Amount		204
	RebateLabel <RbtLbl>	[0..1]	Text		204
	SaleItemRebate <SaleItmRbt>	[0..*]			204
	SaleItem <SaleItm>	[1..1]	±		204
	RebateLabel <RbtLbl>	[0..1]	Text		205
	ReversedAmount <RvsdAmt>	[0..1]	Amount		205

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

3.4.2.9.3 PerformedTransaction <PrfrmdTx>

Presence: [0..*]

Definition: Performed transaction content.

PerformedTransaction <PrfrmdTx> contains the following **PerformedTransaction6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	±		196
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		197
	POITransactionIdentification <POITxId>	[0..1]	±		197
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		197
	PaymentResult <PmtRslt>	[0..1]	±		197
	LoyaltyResult <LltyRslt>	[0..*]			200
	Account <Acct>	[1..1]	±		201
	Amount <Amt>	[0..1]			202
	Unit <Unit>	[0..1]	CodeSet		202
	Currency <Ccy>	[0..1]	CodeSet	C1	202
	Amount <Amt>	[1..1]	Amount		202
	ServerData <SvrData>	[0..1]			202
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		203
	ApprovalCode <ApprvlCd>	[0..1]	Text		203
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		203
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		203
	Rebates <Rbts>	[0..1]			203
	TotalRebate <TtlRbt>	[0..1]	Amount		204
	RebateLabel <RbtLabl>	[0..1]	Text		204
	SaleItemRebate <SaleitmRbt>	[0..*]			204
	SaleItem <Saleitm>	[1..1]	±		204
	RebateLabel <RbtLabl>	[0..1]	Text		205
	ReversedAmount <RvsdAmt>	[0..1]	Amount		205

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 909](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

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 931](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 931](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

3.4.2.9.3.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Identification of the POI reconciliation period.

Datatype: ["Max35Text" on page 1088](#)

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 "RetailerPaymentResult6" on page 764 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		767
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		768
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		769
	RequestedTransaction <ReqdTxx>	[0..1]	±		769
	TransactionResponse <TxRspn>	[0..1]			774
	AuthorisationResult <AuthstnRslt>	[1..1]			777
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		777
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			778
	Response <Rspn>	[1..1]	CodeSet		778
	ResponseReason <RspnRsn>	[0..1]	Text		778
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		778
	AuthorisationCode <AuthstnCd>	[0..1]	Text		778
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		778
	TMSTrigger <TMSTrggr>	[0..1]			779
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		779
	TMSIdentification <TMSId>	[0..1]	Text		779
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		779
	AllowedProductCode <AllwdPdctCd>	[0..*]			779
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		781
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		781
	AmountLimit <AmtLmt>	[0..1]	Amount		781
	QuantityLimit <QtyLmt>	[0..1]	Quantity		781
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		781
	Balance <Bal>	[0..1]	±		783

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedBalance <PrtctdBal>	[0..1]	±		783
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]	±		785
	RemoteAccess <RmotAccs>	[0..1]	±		786
	Retry <Rtry>	[0..1]	±		786
	TimeCondition <TmCond>	[0..1]	±		786
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			787
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		789
	TargetCurrency <TrgtCcy>	[1..1]			789
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	789
	NumericCode <NmrcCd>	[1..1]	Text		789
	Decimal <Dcml>	[1..1]	Quantity		789
	Name <Nm>	[0..1]	Text		790
	ResultingAmount <RsltgtAmt>	[0..1]	Amount		790
	ExchangeRate <XchgRate>	[1..1]	Rate		790
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		790
	QuotationDate <QtnDt>	[0..1]	DateTime		790
	ValidFrom <VldFr>	[0..1]	DateTime		790
	ValidUntil <VldUntil>	[0..1]	DateTime		790
	SourceCurrency <SrcCcy>	[1..1]			790
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	791
	NumericCode <NmrcCd>	[0..1]	Text		791
	Decimal <Dcml>	[0..1]	Quantity		791
	Name <Nm>	[0..1]	Text		791
	ApplicableBinRange <AplblBinRg>	[0..*]			791
	LowerBin <LwrBin>	[1..1]	Text		792
	HigherBin <HghrBin>	[1..1]	Text		792
	OriginalAmount <OrgnlAmt>	[0..1]			792
	ActualAmount <ActlAmt>	[0..1]	Amount		792
	MinimumAmount <MinAmt>	[0..1]	Amount		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumAmount <MaxAmt>	[0..1]	Amount		792
	CommissionDetails <ComssnDtls>	[0..*]			793
	Amount <Amt>	[1..1]	Amount		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	MarkUpDetails <MrkUpDtls>	[0..*]			793
	Rate <Rate>	[1..1]	Rate		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	DeclarationDetails <Dclrtndtls>	[0..*]	±		793
	CustomerOrder <CstmrOrdr>	[0..*]	±		794
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			795
	ImageFormat <ImgFrmt>	[1..1]	Text		795
	ImageData <ImgData>	[0..1]	Binary		795
	ImageReference <ImgRef>	[0..1]	Text		796
	AdditionalInformation <AddtlInf>	[0..1]	Text		796
	ProtectedCapturedSignature <PrctcdCaptrdSgntr>	[0..1]	±		796
	MerchantOverrideFlag <MrchntOvrrdFlg>	[0..1]	Indicator		796
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	796
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		796

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]	±		201
	Amount <Amt>	[0..1]			202
	Unit <Unit>	[0..1]	CodeSet		202
	Currency <Ccy>	[0..1]	CodeSet	C1	202
	Amount <Amt>	[1..1]	Amount		202
	ServerData <SvrData>	[0..1]			202
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		203
	ApprovalCode <ApprvlCd>	[0..1]	Text		203
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		203
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		203
	Rebates <Rbts>	[0..1]			203
	TotalRebate <TtlRbt>	[0..1]	Amount		204
	RebateLabel <RbtLbl>	[0..1]	Text		204
	SaleItemRebate <SaleItmRbt>	[0..*]			204
	SaleItem <SaleItm>	[1..1]	±		204
	RebateLabel <RbtLbl>	[0..1]	Text		205

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		202
	Currency <Ccy>	[0..1]	CodeSet	C1	202
	Amount <Amt>	[1..1]	Amount		202

3.4.2.9.3.6.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 1026

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 1017**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 1013**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		203
	ApprovalCode <ApprvICd>	[0..1]	Text		203
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		203
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		203

3.4.2.9.3.6.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 1088

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 1091

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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		204
	RebateLabel <RbtLabl>	[0..1]	Text		204
	SaleItemRebate <SaleitmRbt>	[0..*]			204
	SaleItem <Saleitm>	[1..1]	±		204
	RebateLabel <RbtLabl>	[0..1]	Text		205

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 1013

3.4.2.9.3.6.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

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]	±		204
	RebateLabel <RbtLabl>	[0..1]	Text		205

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 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

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 1088

3.4.2.9.3.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount of the payment or loyalty to reverse.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

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]	±		206
	POITransactionIdentification <POITxId>	[1..1]	±		206
	PaymentBrand <PmtBrnd>	[0..*]	Text		206
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	206
	LoyaltyAccount <LtyAcct>	[0..*]	±		207
	CustomerOrder <CstmrOrdrr>	[0..*]	±		207

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

3.4.2.10.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

Datatype: "Max35Text" on page 1088

3.4.2.10.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: C7 "ValidationByTable"

Datatype: "LanguageCode" on page 1048

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

3.4.2.11 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

3.4.2.12 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: [C6 "SupplementaryDataRule"](#)

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "[ContentInformationType38](#)" on [page 997](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

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SaleToPOIRconciliationRequestV06

4.1 MessageDefinition Functionality

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

Outline

The SaleToPOIRconciliationRequestV06 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]			212
	MessageFunction <MsgFctn>	[1..1]	CodeSet		212
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		213
	ExchangeIdentification <XchgId>	[1..1]	Text		213
	CreationDateTime <CreDtTm>	[1..1]	DateTime		213
	InitiatingParty <InitgPty>	[1..1]	±		214
	RecipientParty <RcptPty>	[0..1]	±		214
	Traceability <Tracblt>	[0..*]	±		215
	ReconciliationRequest <RcncltnReq>	[1..1]			215
	Environment <Envt>	[1..1]	±		216
	Context <Cntxt>	[1..1]	±		222
	ReconciliationRequestData <RcncltnReqData>	[1..1]			225
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		225
	AcquirerIdentification <Acqrrld>	[0..1]	Text		225
	POIRconciliationIdentification <POIRcncltnId>	[0..1]	Text		225
	SupplementaryData <SplmtryData>	[0..*]	±	C5	226
	SecurityTrailer <SctyTrlr>	[0..1]	±		226

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		212
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		213
	ExchangeIdentification <XchgId>	[1..1]	Text		213
	CreationDateTime <CreDtTm>	[1..1]	DateTime		213
	InitiatingParty <InitgPty>	[1..1]	±		214
	RecipientParty <RcptPty>	[0..1]	±		214
	Traceability <Tracblt>	[0..*]	±		215

4.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

4.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

4.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

4.4.2 ReconciliationRequest <RcncltnReq>

Presence: [1..1]

Definition: Information related to the reconciliation request.

ReconciliationRequest <RcncltnReq> contains the following **ReconciliationRequest7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		216
	Context <Cntxt>	[1..1]	±		222
	ReconciliationRequestData <RcncltnReqData>	[1..1]			225
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		225
	AcquirerIdentification <Acqrrld>	[0..1]	Text		225
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		225
	SupplementaryData <SplmtryData>	[0..*]	±	C5	226

4.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <Drvrld>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctcdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrctdCrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

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		225
	AcquirerIdentification <Acqrrld>	[0..1]	Text		225
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		225

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 1060

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 1088

4.4.2.3.3 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "ContentInformationType38" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

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SaleToPOIReconciliationResponseV06

5.1 MessageDefinition Functionality

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

Outline

The SaleToPOIReconciliationResponseV06 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]			230
	MessageFunction <MsgFctn>	[1..1]	CodeSet		230
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		231
	ExchangeIdentification <XchgId>	[1..1]	Text		231
	CreationDateTime <CreDtTm>	[1..1]	DateTime		232
	InitiatingParty <InitgPty>	[1..1]	±		232
	RecipientParty <RcptPty>	[0..1]	±		232
	Traceability <Tracblt>	[0..*]	±		233
	ReconciliationResponse <RcncltnRspn>	[1..1]			233
	Environment <Envt>	[1..1]	±		235
	Context <Cntxt>	[1..1]	±		241
	ReconciliationResponseData <RcncltnRspnData>	[1..1]			244
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		246
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		246
	TransactionTotals <TxTtls>	[0..*]			246
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		248
	AcquirerIdentification <AcqrrId>	[0..1]	Text		248
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		248
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		248
	Brand <Brnd>	[0..1]	Text		248
	POIIdentification <POIID>	[0..1]	Text		248
	SaleIdentification <SaleId>	[0..1]	Text		249
	CashierIdentification <CshrlId>	[0..1]	Text		249
	ShiftNumber <ShftNb>	[0..1]	Text		249
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			249
	CommonName <CmonNm>	[1..1]	Text		249
	Address <Adr>	[0..1]	Text		249
	CountryCode <CtryCd>	[1..1]	CodeSet		249
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		250

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RegisteredIdentifier <RegIdr>	[1..1]	Text		250
	TransactionTotal <TxTtl>	[1..1]			250
	POIGroupIdentification <POIGrpld>	[0..1]	Text		250
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		250
	Currency <Ccy>	[0..1]	CodeSet	C1	250
	Type <Tp>	[1..1]	CodeSet		251
	TotalNumber <TtlNb>	[1..1]	Quantity		251
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		251
	DetailedAmount <DtldAmt>	[0..1]	±		251
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			252
	POIGroupIdentification <POIGrpld>	[0..1]	Text		252
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		252
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		253
	Currency <Ccy>	[0..1]	CodeSet	C1	253
	TransactionType <TxTp>	[1..1]	CodeSet		253
	TotalNumber <TtlNb>	[1..1]	Quantity		253
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		254
	DetailedAmount <DtldAmt>	[0..1]	±		254
	Response <Rspn>	[1..1]	±		254
	SupplementaryData <SplmtryData>	[0..*]	±	C5	254
	SecurityTrailer <SctyTrlr>	[0..1]	±		255

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		230
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		231
	ExchangeIdentification <XchgId>	[1..1]	Text		231
	CreationDateTime <CreDtTm>	[1..1]	DateTime		232
	InitiatingParty <InitgPty>	[1..1]	±		232
	RecipientParty <RcptPty>	[0..1]	±		232
	Traceability <Tracblt>	[0..*]	±		233

5.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

5.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

5.4.1.4 CreationDateTime <CreDtTm>*Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODateTime" on page 1081**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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

5.4.2 ReconciliationResponse <RcncltnRspn>

Presence: [1..1]

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

ReconciliationResponse <RcncltnRspn> contains the following **ReconciliationResponse9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envnt>	[1..1]	±		235
	Context <Cntxt>	[1..1]	±		241
	ReconciliationResponseData <RcncltnRspnData>	[1..1]			244
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		246
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		246
	TransactionTotals <TxTtls>	[0..*]			246
	PaymentInstrumentType <PmtlnstrmTp>	[1..1]	CodeSet		248
	AcquirerIdentification <Acqrrld>	[0..1]	Text		248
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		248
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		248
	Brand <Brnd>	[0..1]	Text		248
	POIIdentification <POIId>	[0..1]	Text		248
	SaleIdentification <SaleId>	[0..1]	Text		249
	CashierIdentification <Cshrlld>	[0..1]	Text		249
	ShiftNumber <ShftNb>	[0..1]	Text		249
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			249
	CommonName <CmonNm>	[1..1]	Text		249
	Address <Adr>	[0..1]	Text		249
	CountryCode <CtryCd>	[1..1]	CodeSet		249
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		250
	RegisteredIdentifier <RegldId>	[1..1]	Text		250
	TransactionTotal <TxTtl>	[1..1]			250
	POIGroupIdentification <POIGrpld>	[0..1]	Text		250
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		250
	Currency <Ccy>	[0..1]	CodeSet	C1	250
	Type <Tp>	[1..1]	CodeSet		251
	TotalNumber <TtlNb>	[1..1]	Quantity		251
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		251
	DetailedAmount <DtldAmt>	[0..1]	±		251
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			252
	POIGroupIdentification <POIGrpld>	[0..1]	Text		252

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		252
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		253
	Currency <Ccy>	[0..1]	CodeSet	C1	253
	TransactionType <TxTp>	[1..1]	CodeSet		253
	TotalNumber <TtlNb>	[1..1]	Quantity		253
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		254
	DetailedAmount <DtldAmt>	[0..1]	±		254
	Response <Rspn>	[1..1]	±		254
	SupplementaryData <SplmtryData>	[0..*]	±	C5	254

5.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <Drvrld>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctcdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhdldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

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		246
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		246
	TransactionTotals <TxTtls>	[0..*]			246
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		248
	AcquirerIdentification <Acqrrld>	[0..1]	Text		248
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		248
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		248
	Brand <Brnd>	[0..1]	Text		248
	POIIdentification <POIId>	[0..1]	Text		248
	SaleIdentification <SaleId>	[0..1]	Text		249
	CashierIdentification <Cshrlld>	[0..1]	Text		249
	ShiftNumber <ShftNb>	[0..1]	Text		249
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			249
	CommonName <CmonNm>	[1..1]	Text		249
	Address <Adr>	[0..1]	Text		249
	CountryCode <CtryCd>	[1..1]	CodeSet		249
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		250
	RegisteredIdentifier <Regldr>	[1..1]	Text		250
	TransactionTotal <TxTtl>	[1..1]			250
	POIGroupIdentification <POIGrpId>	[0..1]	Text		250
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		250
	Currency <Ccy>	[0..1]	CodeSet	C1	250
	Type <Tp>	[1..1]	CodeSet		251
	TotalNumber <TtlNb>	[1..1]	Quantity		251
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		251
	DetailedAmount <DtldAmt>	[0..1]	±		251
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			252
	POIGroupIdentification <POIGrpId>	[0..1]	Text		252
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		252
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		253

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	253
	TransactionType <TxTp>	[1..1]	CodeSet		253
	TotalNumber <TtlNb>	[1..1]	Quantity		253
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		254
	DetailedAmount <DtldAmt>	[0..1]	±		254

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 1060

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 1088

5.4.2.3.3 TransactionTotals <TxTtls>

Presence: [0..*]

Definition: Result of the Sale to POI Reconciliation processing.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentInstrumentType <PmtInstmTp>	[1..1]	CodeSet		248
	AcquirerIdentification <Acqrrld>	[0..1]	Text		248
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		248
	SaleReconciliationIdentification <SaleRcncltnld>	[0..1]	Text		248
	Brand <Brnd>	[0..1]	Text		248
	POIIdentification <POIld>	[0..1]	Text		248
	SaleIdentification <Saleld>	[0..1]	Text		249
	CashierIdentification <Cshrlld>	[0..1]	Text		249
	ShiftNumber <ShftNb>	[0..1]	Text		249
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			249
	CommonName <CmonNm>	[1..1]	Text		249
	Address <Adr>	[0..1]	Text		249
	CountryCode <CtryCd>	[1..1]	CodeSet		249
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		250
	RegisteredIdentifier <Regldr>	[1..1]	Text		250
	TransactionTotal <TxTtl>	[1..1]			250
	POIGroupIdentification <POIGrpld>	[0..1]	Text		250
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		250
	Currency <Ccy>	[0..1]	CodeSet	C1	250
	Type <Tp>	[1..1]	CodeSet		251
	TotalNumber <TtlNb>	[1..1]	Quantity		251
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		251
	DetailedAmount <DtldAmt>	[0..1]	±		251
	LoyaltyTransactionTotal <LtyTxTtl>	[0..*]			252
	POIGroupIdentification <POIGrpld>	[0..1]	Text		252
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		252
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		253
	Currency <Ccy>	[0..1]	CodeSet	C1	253
	TransactionType <TxTp>	[1..1]	CodeSet		253
	TotalNumber <TtlNb>	[1..1]	Quantity		253
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		254

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DetailedAmount <DtldAmt>	[0..1]	±		254

5.4.2.3.3.1 PaymentInstrumentType <PmtInstrmTp>

Presence: [1..1]

Definition: Type of payment instrument.

Datatype: "PaymentInstrumentType1Code" on page 1055

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 1088

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 1088

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 1088

5.4.2.3.3.5 Brand <Brnd>

Presence: [0..1]

Definition: Brand of payment card or loyalty system.

Datatype: "Max35Text" on page 1088

5.4.2.3.3.6 POIIdentification <POIID>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 1088

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 1088**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 1088**5.4.2.3.3.9 ShiftNumber <ShftNb>***Presence:* [0..1]*Definition:* Identifies the shift of the cashier.*Datatype:* "Max2NumericText" on page 1087**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		249
	Address <Adr>	[0..1]	Text		249
	CountryCode <CtryCd>	[1..1]	CodeSet		249
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		250
	RegisteredIdentifier <RegIdIdr>	[1..1]	Text		250

5.4.2.3.3.10.1 CommonName <CmonNm>*Presence:* [1..1]*Definition:* Name of the merchant.*Datatype:* "Max70Text" on page 1090**5.4.2.3.3.10.2 Address <Adr>***Presence:* [0..1]*Definition:* Location of the merchant.*Datatype:* "Max140Text" on page 1086**5.4.2.3.3.10.3 CountryCode <CtryCd>***Presence:* [1..1]*Definition:* Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 1047

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 1091

5.4.2.3.3.10.5 RegisteredIdentifier <Regldr>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1088

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		250
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		250
	Currency <Ccy>	[0..1]	CodeSet	C1	250
	Type <Tp>	[1..1]	CodeSet		251
	TotalNumber <TtlNb>	[1..1]	Quantity		251
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		251
	DetailedAmount <DtldAmt>	[0..1]	±		251

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 1088

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 1088

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 1017

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 1078

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 1084

5.4.2.3.3.11.6 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

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 705 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		705
	CashBack <CshBck>	[0..1]	Amount		705
	Gratuity <Grtty>	[0..1]	Amount		705
	Fees <Fees>	[0..*]	±		706
	Rebate <Rbt>	[0..*]	±		706
	ValueAddedTax <ValAddedTax>	[0..*]	±		706
	Surcharge <Srchr>	[0..*]	±		706

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		252
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		252
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		253
	Currency <Ccy>	[0..1]	CodeSet	C1	253
	TransactionType <TxTp>	[1..1]	CodeSet		253
	TotalNumber <TtlNb>	[1..1]	Quantity		253
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		254
	DetailedAmount <DtldAmt>	[0..1]	±		254

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 1088

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 1026

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 1088

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 1017

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 1050

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 1084

5.4.2.3.3.12.7 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

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 705 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		705
	CashBack <CshBck>	[0..1]	Amount		705
	Gratuity <Grtty>	[0..1]	Amount		705
	Fees <Fees>	[0..*]	±		706
	Rebate <Rbt>	[0..*]	±		706
	ValueAddedTax <ValAddedTax>	[0..*]	±		706
	Surcharge <Srchr>	[0..*]	±		706

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 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "[ContentInformationType38](#)" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

6 casp.005.001.06 SaleToPOISessionManagementRequestV06

6.1 MessageDefinition Functionality

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

Outline

The SaleToPOISessionManagementRequestV06 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]			259
	MessageFunction <MsgFctn>	[1..1]	CodeSet		259
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		260
	ExchangeIdentification <XchgId>	[1..1]	Text		260
	CreationDateTime <CreDtTm>	[1..1]	DateTime		260
	InitiatingParty <InitgPty>	[1..1]	±		260
	RecipientParty <RcptPty>	[0..1]	±		261
	Traceability <Tracblt>	[0..*]	±		262
	SessionManagementRequest <SsnMgmtReq>	[1..1]			262
	Environment <Envnt>	[1..1]	±		263
	Context <Cntxt>	[1..1]	±		270
	ServiceContent <SvcCntt>	[1..1]	CodeSet		273
	LoginRequest <LgnReq>	[0..1]			273
	LoginDateTime <LgnDtTm>	[1..1]	DateTime		274
	SaleSoftware <SaleSftwr>	[1..*]	±		274
	SaleTerminalData <SaleTermnlData>	[0..1]			276
	TerminalEnvironment <TermnlEnvnt>	[0..1]	CodeSet		276
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		277
	TrainingModeFlag <TrngMdFlg>	[0..1]	Indicator		277
	CashierIdentification <CshrId>	[0..1]	Text		277
	CashierLanguage <CshrLang>	[1..1]	CodeSet	C6	277
	ShiftNumber <ShftNb>	[0..1]	Text		277
	TokenRequestedType <TknReqdTp>	[0..1]	CodeSet		278
	CustomerOrderRequest <CstmrOrdrrReq>	[0..1]	CodeSet		278
	POIIdentification <POIId>	[0..1]			278
	ItemNumber <ItmNb>	[0..1]	Text		278
	ProviderIdentification <PrvdrId>	[0..1]	Text		279
	Identification <Id>	[0..1]	Text		279
	SerialNumber <SrlNb>	[0..1]	Text		279

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalsGroupIdentification <TtlsGrpld>	[0..1]	Text		279
	OutputDisplay <OutptDisp>	[0..1]	±		279
	LogoutRequest <LgtReq>	[0..1]			280
	MaintenanceAllowed <MntncAllwd>	[0..1]	Indicator		280
	DiagnosisRequest <DgnssReq>	[0..1]			280
	HostDiagnosisFlag <HstDgnssFlg>	[0..1]	Indicator		281
	AcquirerIdentification <Acqrrld>	[0..*]	Text		281
	SupplementaryData <SplmtryData>	[0..*]	±	C5	281
	SecurityTrailer <SctyTrlr>	[0..1]	±		281

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		259
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		260
	ExchangeIdentification <XchgId>	[1..1]	Text		260
	CreationDateTime <CreDtTm>	[1..1]	DateTime		260
	InitiatingParty <InitgPty>	[1..1]	±		260
	RecipientParty <RcptPty>	[0..1]	±		261
	Traceability <Tracblt>	[0..*]	±		262

6.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

6.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

6.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

6.4.2 SessionManagementRequest <SsnMgmtReq>

Presence: [1..1]

Definition: Information related to the session management request.

SessionManagementRequest <SsnMgmtReq> contains the following
SessionManagementRequest7 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		263
	Context <Cntxt>	[1..1]	±		270
	ServiceContent <SvcCntt>	[1..1]	CodeSet		273
	LoginRequest <LgnReq>	[0..1]			273
	LoginDateTime <LgnDtTm>	[1..1]	DateTime		274
	SaleSoftware <SaleSftwr>	[1..*]	±		274
	SaleTerminalData <SaleTermnlData>	[0..1]			276
	TerminalEnvironment <TermnlEnvt>	[0..1]	CodeSet		276
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		277
	TrainingModeFlag <TrngMdFlg>	[0..1]	Indicator		277
	CashierIdentification <CshrlId>	[0..1]	Text		277
	CashierLanguage <CshrLang>	[1..1]	CodeSet	C6	277
	ShiftNumber <ShftNb>	[0..1]	Text		277
	TokenRequestedType <TknReqdTp>	[0..1]	CodeSet		278
	CustomerOrderRequest <CstmrOrdRReq>	[0..1]	CodeSet		278
	POIIdentification <POIId>	[0..1]			278
	ItemNumber <ItmNb>	[0..1]	Text		278
	ProviderIdentification <PrvdrId>	[0..1]	Text		279
	Identification <Id>	[0..1]	Text		279
	SerialNumber <SrlNb>	[0..1]	Text		279
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		279
	OutputDisplay <OutptDisp>	[0..1]	±		279
	LogoutRequest <LgtReq>	[0..1]			280
	MaintenanceAllowed <MntncAllwd>	[0..1]	Indicator		280
	DiagnosisRequest <DgnssReq>	[0..1]			280
	HostDiagnosisFlag <HstDgnssFlg>	[0..1]	Indicator		281
	AcquirerIdentification <AcqrrId>	[0..*]	Text		281
	SupplementaryData <SplmtryData>	[0..*]	±	C5	281

6.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <Drvrld>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctcdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrctdCrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

6.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService4Code" on page 1068

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 **LoginRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoginDateTime <LgnDtTm>	[1..1]	DateTime		274
	SaleSoftware <SaleSftwr>	[1..*]	±		274
	SaleTerminalData <SaleTermnlData>	[0..1]			276
	TerminalEnvironment <TermnlEnvnt>	[0..1]	CodeSet		276
	SaleReconciliationIdentification <SaleRcnccltnId>	[0..1]	Text		277
	TrainingModeFlag <TrngMdFlg>	[0..1]	Indicator		277
	CashierIdentification <CshrId>	[0..1]	Text		277
	CashierLanguage <CshrLang>	[1..1]	CodeSet	C6	277
	ShiftNumber <ShftNb>	[0..1]	Text		277
	TokenRequestedType <TknReqdTp>	[0..1]	CodeSet		278
	CustomerOrderRequest <CstmrOrdrrReq>	[0..1]	CodeSet		278
	POIIdentification <POIId>	[0..1]			278
	ItemNumber <ItmNb>	[0..1]	Text		278
	ProviderIdentification <PrvdrId>	[0..1]	Text		279
	Identification <Id>	[0..1]	Text		279
	SerialNumber <SrlNb>	[0..1]	Text		279
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		279
	OutputDisplay <OutptDisp>	[0..1]	±		279

6.4.2.4.1 LoginDateTime <LgnDtTm>

Presence: [1..1]

Definition: Date and Time of Login.

Datatype: "ISODateTime" on page 1081

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 "PointOfInteractionComponent15" on page 867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		869
	SubTypeInfoInformation <SubTplnf>	[0..1]	Text		870
	Identification <Id>	[1..1]			871
	ItemNumber <ItmNb>	[0..1]	Text		871
	ProviderIdentification <PrvdrlId>	[0..1]	Text		871
	Identification <Id>	[0..1]	Text		871
	SerialNumber <SrlNb>	[0..1]	Text		871
	Status <Sts>	[0..1]			871
	VersionNumber <VrsnNb>	[0..1]	Text		872
	Status <Sts>	[0..1]	CodeSet		872
	ExpiryDate <XpryDt>	[0..1]	Date		872
	StandardCompliance <StdCmplc>	[0..*]			872
	Identification <Id>	[1..1]	Text		872
	Version <Vrsn>	[1..1]	Text		873
	Issuer <Issr>	[1..1]	Text		873
	Characteristics <Chrtcs>	[0..1]			873
	Memory <Mmry>	[0..*]			874
	Identification <Id>	[1..1]	Text		875
	TotalSize <TtlSz>	[1..1]	Quantity		875
	FreeSize <FreeSz>	[1..1]	Quantity		875
	Unit <Unit>	[1..1]	CodeSet		875
	Communication <Com>	[0..*]			875
	CommunicationType <ComTp>	[1..1]	CodeSet		876
	RemoteParty <RmotPty>	[1..*]	CodeSet		877
	Active <Actv>	[1..1]	Indicator		877
	Parameters <Params>	[0..1]	±		877
	PhysicalInterface <PhysIntrfc>	[0..1]			878
	InterfaceName <IntrfcNm>	[1..1]	Text		878
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		878
	UserName <UsrNm>	[0..1]	Text		879

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		879
	SecurityProfile <SctyPrfl>	[0..1]	Text		879
	AdditionalParameters <AddtlParams>	[0..1]	Binary		879
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		880
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		880
	SecurityElement <SctyElmt>	[0..*]	±		880
	Assessment <Assmnt>	[0..*]			881
	Type <Tp>	[1..1]	CodeSet		882
	Assigner <Assgnr>	[1..*]	Text		882
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		882
	ExpirationDate <XprtnDt>	[0..1]	DateTime		882
	Number <Nb>	[1..1]	Text		882
	Package <Packg>	[0..*]			883
	PackageIdentification <PackgId>	[0..1]	±		883
	PackageLength <PackgLngh>	[0..1]	Quantity		883
	OffsetStart <OffsetStart>	[0..1]	Quantity		883
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		884
	PackageBlock <PackgBlck>	[0..*]			884
	Identification <Id>	[1..1]	Text		884
	Value <Val>	[0..1]	Binary		884
	ProtectedValue <PrctcdVal>	[0..1]	±		884
	Type <Tp>	[0..1]	Text		885

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		276
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		277

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 1026

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 1088

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 1083):

- *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 1088

6.4.2.4.6 CashierLanguage <CshrLang>

Presence: [1..1]

Definition: Language of the cashier.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 1048

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 1087

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 1072

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 1040

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		278
	ProviderIdentification <PrvdrId>	[0..1]	Text		279
	Identification <Id>	[0..1]	Text		279
	SerialNumber <SrlNb>	[0..1]	Text		279

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 1088

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 1088

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 1087

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 1087

6.4.2.4.11 TotalsGroupIdentification <TtlsGrpId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

6.4.2.4.12 OutputDisplay <OutptDisp>

Presence: [0..1]

Definition: Message to be displayed.

OutputDisplay <OutptDisp> contains the following elements (see "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrnd>	[0..1]			865
	BarcodeType <BrndTp>	[1..1]	CodeSet		865
	BarcodeValue <BrndVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRcdNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

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		280

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 1083):

- *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		281
	AcquirerIdentification <Acqrrld>	[0..*]	Text		281

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 1083):

- *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 1088

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "ContentInformationType38" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

7 casp.006.001.06

SaleToPOISessionManagementResponseV06

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 SaleToPOISessionManagementResponseV06 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]			286
	MessageFunction <MsgFctn>	[1..1]	CodeSet		286
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		287
	ExchangeIdentification <XchgId>	[1..1]	Text		287
	CreationDateTime <CreDtTm>	[1..1]	DateTime		287
	InitiatingParty <InitgPty>	[1..1]	±		287
	RecipientParty <RcptPty>	[0..1]	±		288
	Traceability <Tracblt>	[0..*]	±		289
	SessionManagementResponse <SsnMgmtRspn>	[1..1]			289
	Environment <Envt>	[1..1]	±		291
	Context <Cntxt>	[1..1]	±		297
	ServiceContent <SvcCntt>	[1..1]	CodeSet		300
	LoginResponse <LgnRspn>	[0..1]			300
	POIDateTime <POIDtTm>	[1..1]	DateTime		300
	POISoftware <POISftwr>	[1..*]	±		300
	POICapabilities <POICpblties>	[0..1]	±		302
	OutputDisplay <OutptDisp>	[0..1]	±		303
	DiagnosisResponse <DgnssRspn>	[0..1]			304
	LoggedSaleIdentification <LggdSaleId>	[0..*]	Text		305
	POIStatus <POISts>	[0..1]			305
	POICapabilities <POICpblties>	[0..1]	±		306
	POIComponent <POICmpnt>	[0..*]	±		307
	POIGroupIdentification <POIGrpId>	[0..*]	Text		309
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		309
	POIDateTime <POIDtTm>	[1..1]	DateTime		310
	DataSetRequired <DataSetReqrd>	[0..*]			310
	Identification <Id>	[1..1]	±		310
	POIChallenge <POIChllng>	[0..1]	Binary		310
	TMChallenge <TMChllng>	[0..1]	Binary		311

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionKey <SsnKey>	[0..1]	±		311
	DelegationProof <DlgtProof>	[0..1]	Binary		311
	ProtectedDelegationProof <PrctcdDlgtProof>	[0..1]	±		312
	Event <Evt>	[0..*]	±		312
	Errors <Errs>	[0..*]	Text		312
	HostStatus <HstSts>	[0..*]			312
	AcquirerIdentification <Acqrrld>	[1..1]	Text		313
	Reachable <Rchbl>	[0..1]	Indicator		313
	Response <Rspn>	[1..1]	±		313
	SupplementaryData <SplmtryData>	[0..*]	±	C5	313
	SecurityTrailer <SctyTrlr>	[0..1]	±		314

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		286
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		287
	ExchangeIdentification <XchgId>	[1..1]	Text		287
	CreationDateTime <CreDtTm>	[1..1]	DateTime		287
	InitiatingParty <InitgPty>	[1..1]	±		287
	RecipientParty <RcptPty>	[0..1]	±		288
	Traceability <Tracblt>	[0..*]	±		289

7.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

7.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

7.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

7.4.2 SessionManagementResponse <SsnMgmtRspn>

Presence: [1..1]

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

SessionManagementResponse <SsnMgmtRspn> contains the following
SessionManagementResponse7 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		291
	Context <Cntxt>	[1..1]	±		297
	ServiceContent <SvcCntt>	[1..1]	CodeSet		300
	LoginResponse <LgnRspn>	[0..1]			300
	POIDateTime <POIDtTm>	[1..1]	DateTime		300
	POISoftware <POISftwr>	[1..*]	±		300
	POICapabilities <POICpblties>	[0..1]	±		302
	OutputDisplay <OutptDisp>	[0..1]	±		303
	DiagnosisResponse <DgnssRspn>	[0..1]			304
	LoggedSaleIdentification <LggdSaleId>	[0..*]	Text		305
	POIStatus <POISts>	[0..1]			305
	POICapabilities <POICpblties>	[0..1]	±		306
	POIComponent <POICmpnt>	[0..*]	±		307
	POIGroupIdentification <POIGrpId>	[0..*]	Text		309
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		309
	POIDateTime <POIDtTm>	[1..1]	DateTime		310
	DataSetRequired <DataSetReqrd>	[0..*]			310
	Identification <Id>	[1..1]	±		310
	POIChallenge <POIChllng>	[0..1]	Binary		310
	TMChallenge <TMChllng>	[0..1]	Binary		311
	SessionKey <SsnKey>	[0..1]	±		311
	DelegationProof <DlgtNProof>	[0..1]	Binary		311
	ProtectedDelegationProof <PrtctdDlgtNProof>	[0..1]	±		312
	Event <Evt>	[0..*]	±		312
	Errors <Errs>	[0..*]	Text		312
	HostStatus <HstSts>	[0..*]			312
	AcquirerIdentification <AcqrrId>	[1..1]	Text		313
	Reachable <Rchbl>	[0..1]	Indicator		313
	Response <Rspn>	[1..1]	±		313
	SupplementaryData <SplmtryData>	[0..*]	±	C5	313

7.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

7.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service answered.

Datatype: "RetailerService5Code" on page 1069

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 **LoginResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIDateTime <POIDtTm>	[1..1]	DateTime		300
	POISoftware <POISftwr>	[1..*]	±		300
	POICapabilities <POICpblties>	[0..1]	±		302
	OutputDisplay <OutptDisp>	[0..1]	±		303

7.4.2.4.1 POIDateTime <POIDtTm>

Presence: [1..1]

Definition: Date and Time of POI Login.

Datatype: "ISODateTime" on page 1081

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 "PointOfInteractionComponent15" on page 867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		869
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		870
	Identification <Id>	[1..1]			871
	ItemNumber <ItmNb>	[0..1]	Text		871
	ProviderIdentification <PrvdrId>	[0..1]	Text		871
	Identification <Id>	[0..1]	Text		871
	SerialNumber <SrlNb>	[0..1]	Text		871
	Status <Sts>	[0..1]			871
	VersionNumber <VrsnNb>	[0..1]	Text		872
	Status <Sts>	[0..1]	CodeSet		872
	ExpiryDate <XpryDt>	[0..1]	Date		872
	StandardCompliance <StdCmplc>	[0..*]			872
	Identification <Id>	[1..1]	Text		872
	Version <Vrsn>	[1..1]	Text		873
	Issuer <Issr>	[1..1]	Text		873
	Characteristics <Chrtcs>	[0..1]			873
	Memory <Mmry>	[0..*]			874
	Identification <Id>	[1..1]	Text		875
	TotalSize <TtlSz>	[1..1]	Quantity		875
	FreeSize <FreeSz>	[1..1]	Quantity		875
	Unit <Unit>	[1..1]	CodeSet		875
	Communication <Com>	[0..*]			875
	CommunicationType <ComTp>	[1..1]	CodeSet		876
	RemoteParty <RmotPty>	[1..*]	CodeSet		877
	Active <Actv>	[1..1]	Indicator		877
	Parameters <Params>	[0..1]	±		877
	PhysicalInterface <PhysIntrfc>	[0..1]			878
	InterfaceName <IntrfcNm>	[1..1]	Text		878
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		878
	UserName <UsrNm>	[0..1]	Text		879

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		879
	SecurityProfile <SctyPrfl>	[0..1]	Text		879
	AdditionalParameters <AddtlParams>	[0..1]	Binary		879
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		880
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		880
	SecurityElement <SctyElmt>	[0..*]	±		880
	Assessment <Assmnt>	[0..*]			881
	Type <Tp>	[1..1]	CodeSet		882
	Assigner <Assgnr>	[1..*]	Text		882
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		882
	ExpirationDate <XprtnDt>	[0..1]	DateTime		882
	Number <Nb>	[1..1]	Text		882
	Package <Packg>	[0..*]			883
	PackageIdentification <PackgId>	[0..1]	±		883
	PackageLength <PackgLngh>	[0..1]	Quantity		883
	OffsetStart <OffsetStart>	[0..1]	Quantity		883
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		884
	PackageBlock <PackgBlck>	[0..*]			884
	Identification <Id>	[1..1]	Text		884
	Value <Val>	[0..1]	Binary		884
	ProtectedValue <PrctcdVal>	[0..1]	±		884
	Type <Tp>	[0..1]	Text		885

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 914 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		915
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		915
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		916
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		916
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		916
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		916
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		916
	MessageCapabilities <MsgCpblties>	[0..*]			917
	Destination <Dstn>	[1..*]	CodeSet		917
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		917
	NumberOfLines <NbOfLines>	[0..1]	Quantity		918
	LineWidth <LineWidth>	[0..1]	Quantity		918
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	918

7.4.2.4.4 OutputDisplay <OutptDisp>

Presence: [0..1]

Definition: Message to be displayed.

OutputDisplay <OutptDisp> contains the following elements (see "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

7.4.2.5 DiagnosisResponse <DgnssRspn>

Presence: [0..1]

Definition: Content of the Diagnosis Response message.

DiagnosisResponse <DgnssRspn> contains the following **DiagnosisResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoggedSaleIdentification <LggdSaleId>	[0..*]	Text		305
	POIStatus <POISts>	[0..1]			305
	POICapabilities <POICpblties>	[0..1]	±		306
	POIComponent <POICmpnt>	[0..*]	±		307
	POIGroupIdentification <POIGrpld>	[0..*]	Text		309
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		309
	POIDateTime <POIDtTm>	[1..1]	DateTime		310
	DataSetRequired <DataSetReqrd>	[0..*]			310
	Identification <Id>	[1..1]	±		310
	POIChallenge <POIChllng>	[0..1]	Binary		310
	TMChallenge <TMChllng>	[0..1]	Binary		311
	SessionKey <SsnKey>	[0..1]	±		311
	DelegationProof <DlgtNProof>	[0..1]	Binary		311
	ProtectedDelegationProof <PrctcdDlgtNProof>	[0..1]	±		312
	Event <Evt>	[0..*]	±		312
	Errors <Errs>	[0..*]	Text		312
	HostStatus <HstSts>	[0..*]			312
	AcquirerIdentification <Acqrrld>	[1..1]	Text		313
	Reachable <Rchbl>	[0..1]	Indicator		313

7.4.2.5.1 LoggedSaleIdentification <LggdSaleId>

Presence: [0..*]

Definition: Sale Terminal logged to.

Datatype: "Max35Text" on page 1088

7.4.2.5.2 POIStatus <POISts>

Presence: [0..1]

Definition: Status of the POI.

POIStatus <POISts> contains the following **StatusReportContent13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POICapabilities <POICpblties>	[0..1]	±		306
	POIComponent <POICmpnt>	[0..*]	±		307
	POIGroupIdentification <POIGrpld>	[0..*]	Text		309
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		309
	POIDateTime <POIDtTm>	[1..1]	DateTime		310
	DataSetRequired <DataSetReqrd>	[0..*]			310
	Identification <Id>	[1..1]	±		310
	POIChallenge <POIChllng>	[0..1]	Binary		310
	TMChallenge <TMChllng>	[0..1]	Binary		311
	SessionKey <SsnKey>	[0..1]	±		311
	DelegationProof <DlgtProof>	[0..1]	Binary		311
	ProtectedDelegationProof <PrtctdDlgtProof>	[0..1]	±		312
	Event <Evt>	[0..*]	±		312
	Errors <Errs>	[0..*]	Text		312

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 914 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		915
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		915
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		916
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		916
	MaxScriptLength <MxScrpLngth>	[0..1]	Quantity		916
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		916
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		916
	MessageCapabilities <MsgCpblties>	[0..*]			917
	Destination <Dstn>	[1..*]	CodeSet		917
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		917
	NumberOfLines <NbOfLines>	[0..1]	Quantity		918
	LineWidth <LineWidth>	[0..1]	Quantity		918
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	918

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 "PointOfInteractionComponent15" on page 867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		869
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		870
	Identification <Id>	[1..1]			871
	ItemNumber <ItmNb>	[0..1]	Text		871
	ProviderIdentification <PrvdrlId>	[0..1]	Text		871
	Identification <Id>	[0..1]	Text		871
	SerialNumber <SrlNb>	[0..1]	Text		871
	Status <Sts>	[0..1]			871
	VersionNumber <VrsnNb>	[0..1]	Text		872
	Status <Sts>	[0..1]	CodeSet		872
	ExpiryDate <XpryDt>	[0..1]	Date		872
	StandardCompliance <StdCmplc>	[0..*]			872
	Identification <Id>	[1..1]	Text		872
	Version <Vrsn>	[1..1]	Text		873
	Issuer <Issr>	[1..1]	Text		873
	Characteristics <Chrtcs>	[0..1]			873
	Memory <Mmry>	[0..*]			874
	Identification <Id>	[1..1]	Text		875
	TotalSize <TtlSz>	[1..1]	Quantity		875
	FreeSize <FreeSz>	[1..1]	Quantity		875
	Unit <Unit>	[1..1]	CodeSet		875
	Communication <Com>	[0..*]			875
	CommunicationType <ComTp>	[1..1]	CodeSet		876
	RemoteParty <RmotPty>	[1..*]	CodeSet		877
	Active <Actv>	[1..1]	Indicator		877
	Parameters <Params>	[0..1]	±		877
	PhysicalInterface <PhysIntrfc>	[0..1]			878
	InterfaceName <IntrfcNm>	[1..1]	Text		878
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		878
	UserName <UsrNm>	[0..1]	Text		879

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		879
	SecurityProfile <SctyPrfl>	[0..1]	Text		879
	AdditionalParameters <AddtlParams>	[0..1]	Binary		879
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		880
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		880
	SecurityElement <SctyElmt>	[0..*]	±		880
	Assessment <Assmnt>	[0..*]			881
	Type <Tp>	[1..1]	CodeSet		882
	Assigner <Assgnr>	[1..*]	Text		882
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		882
	ExpirationDate <XprtnDt>	[0..1]	DateTime		882
	Number <Nb>	[1..1]	Text		882
	Package <Packg>	[0..*]			883
	PackageIdentification <PackgId>	[0..1]	±		883
	PackageLength <PackgLngh>	[0..1]	Quantity		883
	OffsetStart <OffsetStart>	[0..1]	Quantity		883
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		884
	PackageBlock <PackgBlck>	[0..*]			884
	Identification <Id>	[1..1]	Text		884
	Value <Val>	[0..1]	Binary		884
	ProtectedValue <PrctcdVal>	[0..1]	±		884
	Type <Tp>	[0..1]	Text		885

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 1088

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 1026

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 1081

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 **DataSetRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	±		310
	POIChallenge <POIChllng>	[0..1]	Binary		310
	TMChallenge <TMChllng>	[0..1]	Binary		311
	SessionKey <SsnKey>	[0..1]	±		311
	DelegationProof <DlgtProof>	[0..1]	Binary		311
	ProtectedDelegationProof <PrctcdDlgtProof>	[0..1]	±		312

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 "DataSetIdentification10" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		885
	Type <Tp>	[1..1]	CodeSet		885
	Version <Vrsn>	[0..1]	Text		886
	CreationDateTime <CreDtTm>	[0..1]	DateTime		887

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 1014

7.4.2.5.2.6.3 TMChallenge <TMChllng>

Presence: [0..1]

Definition: Terminal manager challenge for cryptographic key injection.

Datatype: "Max140Binary" on page 1014

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 "CryptographicKey18" on page 999 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1000
	AdditionalIdentification <AddtlId>	[0..1]	Binary		1000
	Name <Nm>	[0..1]	Text		1001
	SecurityProfile <SctyPrfl>	[0..1]	Text		1001
	ItemNumber <ItmNb>	[0..1]	Text		1001
	Version <Vrsn>	[1..1]	Text		1001
	Type <Tp>	[0..1]	CodeSet		1001
	Function <Fctn>	[0..*]	CodeSet		1002
	ActivationDate <ActvtnDt>	[0..1]	DateTime		1002
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		1003
	KeyValue <KeyVal>	[0..1]	±		1003
	ComponentWithAuthorisedAccess <CmpntWthAuthrsdAccs>	[0..*]			1003
	Identification <Id>	[1..1]	Text		1003
	Type <Tp>	[1..1]	CodeSet		1003
	ProtectedComponentWithAuthorisedAccess <PrtctdCmpntWthAuthrsdAccs>	[0..*]	±		1004
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		1004
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			1004
	Name <Nm>	[1..1]	Text		1004
	Value <Val>	[0..1]	Text		1005

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 1015

7.4.2.5.2.6.6 ProtectedDelegationProof <PrtctdDlgnProof>

Presence: [0..1]

Definition: Protected proof of delegation.

ProtectedDelegationProof <PrtctdDlgnProof> contains the following elements (see "ContentInformationType39" on page 992 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		992
	EnvelopedData <EnvlpdData>	[0..1]	±		992
	AuthenticatedData <AuthntcdData>	[0..1]	±		994
	SignedData <SgndData>	[0..1]	±		995
	DigestedData <DgstdData>	[0..1]	±		996

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 "TMSEvent11" on page 933 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TimeStamp <TmStmp>	[1..1]	DateTime		933
	Result <Rslt>	[1..1]	CodeSet		933
	ActionIdentification <ActnId>	[1..1]			934
	ActionType <ActnTp>	[1..1]	CodeSet		934
	DataSetIdentification <DataSetId>	[0..1]	±		935
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		935
	TerminalManagerIdentification <TermnlMgrld>	[0..1]	Text		935
	DeviceResponse <DvcRspn>	[0..1]	±		935

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 1086

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 <Acqrld>	[1..1]	Text		313
	Reachable <Rchbl>	[0..1]	Indicator		313

7.4.2.5.3.1 AcquirerIdentification <Acqrld>

Presence: [1..1]

Definition: Identification of the Acquirer.

Datatype: "Max35Text" on page 1088

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 1083):

- *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 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "[ContentInformationType38](#)" on [page 997](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

8 casp.007.001.06 SaleToPOIAdministrativeRequestV06

8.1 MessageDefinition Functionality

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

Outline

The SaleToPOIAdministrativeRequestV06 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]			316
	MessageFunction <MsgFctn>	[1..1]	CodeSet		317
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		317
	ExchangeIdentification <XchgId>	[1..1]	Text		318
	CreationDateTime <CreDtTm>	[1..1]	DateTime		318
	InitiatingParty <InitgPty>	[1..1]	±		318
	RecipientParty <RcptPty>	[0..1]	±		318
	Traceability <Tracblt>	[0..*]	±		319
	AdministrativeRequest <AdmstvReq>	[1..1]			319
	Environment <Envt>	[1..1]	±		320
	Context <Cntxt>	[1..1]	±		326
	AdministrativeServiceIdentification <AdmstvSvcId>	[0..1]	Text		329
	SupplementaryData <SplmtryData>	[0..*]	±	C5	329
	SecurityTrailer <SctyTrlr>	[0..1]	±		329

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		317
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		317
	ExchangeIdentification <XchgId>	[1..1]	Text		318
	CreationDateTime <CreDtTm>	[1..1]	DateTime		318
	InitiatingParty <InitgPty>	[1..1]	±		318
	RecipientParty <RcptPty>	[0..1]	±		318
	Traceability <Tracblt>	[0..*]	±		319

8.4.1.1 MessageFunction <MsgFctn>*Presence:* [1..1]*Definition:* Identifies the type of process related to the message.*Datatype:* "RetailerMessage1Code" on page 1062

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 1089

8.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

8.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

8.4.2 AdministrativeRequest <AdmstvReq>

Presence: [1..1]

Definition: Information related to the administrative request.

AdministrativeRequest <AdmstvReq> contains the following **AdministrativeRequest7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		320
	Context <Cntxt>	[1..1]	±		326
	AdministrativeServiceIdentification <AdmstvSvcId>	[0..1]	Text		329
	SupplementaryData <SplmtryData>	[0..*]	±	C5	329

8.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <GrpId>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <Drvrld>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcnclnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

8.4.2.3 AdministrativeServiceIdentification <AdmstvSvcd>

Presence: [0..1]

Definition: Identification of the administrative service to process.

Datatype: "Max20000Text" on page 1087

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "ContentInformationType38" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

9 casp.008.001.06 SaleToPOIAdministrativeResponseV06

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 SaleToPOIAdministrativeResponseV06 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]			331
	MessageFunction <MsgFctn>	[1..1]	CodeSet		332
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		332
	ExchangeIdentification <XchgId>	[1..1]	Text		333
	CreationDateTime <CreDtTm>	[1..1]	DateTime		333
	InitiatingParty <InitgPty>	[1..1]	±		333
	RecipientParty <RcptPty>	[0..1]	±		333
	Traceability <Tracblt>	[0..*]	±		334
	AdministrativeResponse <AdmstvRspn>	[1..1]			334
	Environment <Envt>	[1..1]	±		335
	Context <Cntxt>	[1..1]	±		341
	Response <Rspn>	[1..1]	±		344
	SupplementaryData <SplmtryData>	[0..*]	±	C5	344
	SecurityTrailer <SctyTrlr>	[0..1]	±		344

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		332
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		332
	ExchangeIdentification <XchgId>	[1..1]	Text		333
	CreationDateTime <CreDtTm>	[1..1]	DateTime		333
	InitiatingParty <InitgPty>	[1..1]	±		333
	RecipientParty <RcptPty>	[0..1]	±		333
	Traceability <Tracblt>	[0..*]	±		334

9.4.1.1 MessageFunction <MsgFctn>*Presence:* [1..1]*Definition:* Identifies the type of process related to the message.*Datatype:* "RetailerMessage1Code" on page 1062

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 1089

9.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

9.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

9.4.2 AdministrativeResponse <AdmstvRspn>

Presence: [1..1]

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

AdministrativeResponse <AdmstvRspn> contains the following **AdministrativeResponse7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		335
	Context <Cntxt>	[1..1]	±		341
	Response <Rspn>	[1..1]	±		344
	SupplementaryData <SplmtryData>	[0..*]	±	C5	344

9.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BillgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <CrdhldrId>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <DrvrId>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhdldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

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 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "[ContentInformationType38](#)" on [page 997](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

10 casp.009.001.06 SaleToPOIRReportRequestV06

10.1 MessageDefinition Functionality

The SaleToPOIRReportRequest message is sent by sale system to request a report service.

Outline

The SaleToPOIRReportRequestV06 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]			348
	MessageFunction <MsgFctn>	[1..1]	CodeSet		349
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		350
	ExchangeIdentification <XchgId>	[1..1]	Text		350
	CreationDateTime <CreDtTm>	[1..1]	DateTime		350
	InitiatingParty <InitgPty>	[1..1]	±		350
	RecipientParty <RcptPty>	[0..1]	±		351
	Traceability <Tracblt>	[0..*]	±		352
	ReportRequest <RptReq>	[1..1]			352
	Environment <Envt>	[1..1]	±		353
	Context <Cntxt>	[1..1]	±		359
	ServiceContent <SvcCntt>	[1..1]	CodeSet		362
	ReportTransactionRequest <RptTxReq>	[0..1]			362
	SearchCriteria <SchCrit>	[1..*]			362
	SearchOr <SchOr>	[1..*]			363
	SearchAnd <SchAnd>	[1..*]			363
	Target <Trgt>	[1..1]	Text		363
	Operator <Oprtr>	[1..1]	CodeSet		363
	Value <Val>	[1..1]	Text		364
	SearchOutputOrder <SchOutptOrdr>	[0..1]			364
	CriteriaOrder <CritOrdr>	[1..*]			364
	Target <Trgt>	[1..1]	Text		364
	DescendingOrder <DscndgOrdr>	[0..1]	Indicator		364
	BlockStart <BlckStart>	[0..1]	Quantity		365
	BlockStop <BlckStop>	[0..1]	Quantity		365
	ReportGetTotalsRequest <RptGetTtlsReq>	[0..1]			365
	TotalDetails <TtlDtls>	[0..1]	CodeSet		365
	TotalFilter <TtlFltr>	[0..1]			366
	POIIdentification <POIID>	[0..1]	Text		366

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		366
	CashierIdentification <CshrlId>	[0..1]	Text		366
	ShiftNumber <ShftNb>	[0..1]	Text		366
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		366
	SupplementaryData <SplmtryData>	[0..*]	±	C5	367
	SecurityTrailer <SctyTrlr>	[0..1]	±		367

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		349
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		350
	ExchangeIdentification <XchgId>	[1..1]	Text		350
	CreationDateTime <CreDtTm>	[1..1]	DateTime		350
	InitiatingParty <InitgPty>	[1..1]	±		350
	RecipientParty <RcptPty>	[0..1]	±		351
	Traceability <Tracblt>	[0..*]	±		352

10.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

10.4.1.3 Exchangeldentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

10.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

10.4.2 ReportRequest <RptReq>

Presence: [1..1]

Definition: Information related to the report request.

ReportRequest <RptReq> contains the following **ReportRequest7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		353
	Context <Cntxt>	[1..1]	±		359
	ServiceContent <SvcCntt>	[1..1]	CodeSet		362
	ReportTransactionRequest <RptTxReq>	[0..1]			362
	SearchCriteria <SchCrit>	[1..*]			362
	SearchOr <SchOr>	[1..*]			363
	SearchAnd <SchAnd>	[1..*]			363
	Target <Trgt>	[1..1]	Text		363
	Operator <Oprtr>	[1..1]	CodeSet		363
	Value <Val>	[1..1]	Text		364
	SearchOutputOrder <SchOutputOrdr>	[0..1]			364
	CriteriaOrder <CritOrdr>	[1..*]			364
	Target <Trgt>	[1..1]	Text		364
	DescendingOrder <DscndgOrdr>	[0..1]	Indicator		364
	BlockStart <BlickStart>	[0..1]	Quantity		365
	BlockStop <BlickStop>	[0..1]	Quantity		365
	ReportGetTotalsRequest <RptGetTtlsReq>	[0..1]			365
	TotalDetails <TtlDtls>	[0..1]	CodeSet		365
	TotalFilter <TtlFiltr>	[0..1]			366
	POIIdentification <POIID>	[0..1]	Text		366
	SaleIdentification <SaleId>	[0..1]	Text		366
	CashierIdentification <CshrlId>	[0..1]	Text		366
	ShiftNumber <ShftNb>	[0..1]	Text		366
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		366
	SupplementaryData <SplmtryData>	[0..*]	±	C5	367

10.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BillgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrctdCrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

10.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService6Code" on page 1069

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..*]			362
	SearchOr <SchOr>	[1..*]			363
	SearchAnd <SchAnd>	[1..*]			363
	Target <Trgt>	[1..1]	Text		363
	Operator <Oprr>	[1..1]	CodeSet		363
	Value <Val>	[1..1]	Text		364
	SearchOutputOrder <SchOutptOrdr>	[0..1]			364
	CriteriaOrder <CritOrdr>	[1..*]			364
	Target <Trgt>	[1..1]	Text		364
	DescendingOrder <DscndgOrdr>	[0..1]	Indicator		364
	BlockStart <BlckStart>	[0..1]	Quantity		365
	BlockStop <BlckStop>	[0..1]	Quantity		365

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..*]			363
	SearchAnd <SchAnd>	[1..*]			363
	Target <Trgt>	[1..1]	Text		363
	Operator <Oprtr>	[1..1]	CodeSet		363
	Value <Val>	[1..1]	Text		364

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..*]			363
	Target <Trgt>	[1..1]	Text		363
	Operator <Oprtr>	[1..1]	CodeSet		363
	Value <Val>	[1..1]	Text		364

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		363
	Operator <Oprtr>	[1..1]	CodeSet		363
	Value <Val>	[1..1]	Text		364

10.4.2.4.1.1.1.1 Target <Trgt>

Presence: [1..1]

Definition: Identifier of target element.

Datatype: "Max500Text" on page 1089

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 1052

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 1089

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..*]			364
	Target <Trgt>	[1..1]	Text		364

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		364

10.4.2.4.2.1.1 Target <Trgt>

Presence: [1..1]

Definition: Identifier of target element.

Datatype: "Max500Text" on page 1089

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 1083):

- *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 1084

10.4.2.4.5 BlockStop <BlckStop>

Presence: [0..1]

Definition: Index of the last transaction matching the search criteria.

Datatype: "PositiveNumber" on page 1084

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		365
	TotalFilter <TtlFltr>	[0..1]			366
	POIIdentification <POIID>	[0..1]	Text		366
	SaleIdentification <SaleId>	[0..1]	Text		366
	CashierIdentification <CshrlId>	[0..1]	Text		366
	ShiftNumber <ShftNb>	[0..1]	Text		366
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		366

10.4.2.5.1 TotalDetails <TtlDtls>

Presence: [0..1]

Definition: Indicates the hierarchical structure of the report.

Datatype: "TotalDetails1Code" on page 1076

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		366
	SaleIdentification <SaleId>	[0..1]	Text		366
	CashierIdentification <CshrlId>	[0..1]	Text		366
	ShiftNumber <ShftNb>	[0..1]	Text		366
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		366

10.4.2.5.2.1 POIIdentification <POIId>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 1088

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 1088

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 1088

10.4.2.5.2.4 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max35Text" on page 1088

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 1088

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "ContentInformationType38" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

11 **casp.010.001.06** **SaleToPOIReportResponseV06**

11.1 **MessageDefinition Functionality**

This SaleToPOIReportResponse message is sent by a POI to provide the report previously expected by a sale system.

Outline

The SaleToPOIReportResponseV06 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]			376
	MessageFunction <MsgFctn>	[1..1]	CodeSet		376
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		377
	ExchangeIdentification <XchgId>	[1..1]	Text		377
	CreationDateTime <CreDtTm>	[1..1]	DateTime		377
	InitiatingParty <InitgPty>	[1..1]	±		378
	RecipientParty <RcptPty>	[0..1]	±		378
	Traceability <Tracblt>	[0..*]	±		379
	ReportResponse <RptRspn>	[1..1]			379
	Environment <Envt>	[1..1]	±		386
	Context <Cntxt>	[1..1]	±		392
	ServiceContent <SvcCntt>	[1..1]	CodeSet		395
	ReportTransactionResponse <RptTxRspn>	[0..1]			395
	ReportFullSize <RptFullSz>	[1..1]	Quantity		400
	BlockStart <BlckStart>	[1..1]	Quantity		400
	BlockStop <BlckStop>	[1..1]	Quantity		401
	TransactionReport <TxRpt>	[0..*]			401
	Environment <Envt>	[1..1]	±		406
	Context <Cntxt>	[1..1]	±		412
	ServiceContent <SvcCntt>	[1..1]	CodeSet		415
	PaymentResponse <PmtRspn>	[0..1]			415
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		416
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		417
	POITransactionIdentification <POITxId>	[1..1]	±		417
	POIReconciliationIdentification <POIRcncldId>	[0..1]	Text		417
	IssuerReferenceData <IssrRefData>	[0..1]	Text		417
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		417
	PaymentReceipt <PmtRct>	[0..*]	±		420
	LoyaltyResult <LtyRslt>	[0..*]			420

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Account <Acct>	[1..1]	±		421
	Amount <Amt>	[0..1]			422
	Unit <Unit>	[0..1]	CodeSet		422
	Currency <Ccy>	[0..1]	CodeSet	C1	422
	Amount <Amt>	[1..1]	Amount		422
	ServerData <SvrData>	[0..1]			422
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		423
	ApprovalCode <ApprvICd>	[0..1]	Text		423
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		423
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		423
	Rebates <Rbts>	[0..1]			423
	TotalRebate <TtlRbt>	[0..1]	Amount		424
	RebateLabel <RbtLabl>	[0..1]	Text		424
	SaleItemRebate <SaleitmRbt>	[0..*]			424
	SaleItem <Saleitm>	[1..1]	±		424
	RebateLabel <RbtLabl>	[0..1]	Text		425
	CustomerOrder <CstmrOrd>	[0..*]	±		425
	ReversalResponse <RvslRspn>	[0..1]			426
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		426
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		427
	POITransactionIdentification <POITxId>	[1..1]	±		427
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		427
	IssuerReferenceData <IssrRefData>	[0..1]	Text		427
	ReversalTransactionResult <RvslTxRslt>	[1..1]			427
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		428
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		428
	CustomerOrder <CstmrOrd>	[0..*]	±		433
	ReversedAmount <RvsdAmt>	[0..1]	Amount		433
	Receipt <Rct>	[0..*]	±		433
	BalanceInquiryResponse <BalNqryRspn>	[0..1]			434
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		435

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	POITransactionIdentification <POITxId>	[0..1]	±		435
	PaymentAccount <PmtAcct>	[0..1]			435
	Currency <Ccy>	[0..1]	CodeSet	C1	435
	CurrentBalance <CurBal>	[0..1]	Amount		436
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		436
	LoyaltyAccount <LltyAcct>	[0..1]	±		436
	StoredValueAccount <StordValAcct>	[0..*]			436
	AccountType <AcctTp>	[0..1]	CodeSet		437
	IdentificationType <IdTp>	[0..1]	CodeSet		438
	Identification <Id>	[0..1]	Text		438
	Brand <Brnd>	[0..1]	Text		438
	Provider <Prvdr>	[0..1]	Text		438
	OwnerName <OwnrNm>	[0..1]	Text		438
	ExpiryDate <XpryDt>	[0..1]	Text		439
	EntryMode <NtryMd>	[0..1]	CodeSet		439
	Currency <Ccy>	[0..1]	CodeSet	C1	439
	Balance <Bal>	[0..1]	Amount		440
	Receipt <Rct>	[0..*]	±		440
	LoyaltyResponse <LltyRspn>	[0..1]			440
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		441
	POITransactionIdentification <POITxId>	[1..1]	±		441
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		442
	Result <Rslt>	[0..*]			442
	Account <Acct>	[1..1]	±		442
	Amount <Amt>	[0..1]			443
	Unit <Unit>	[0..1]	CodeSet		443
	Currency <Ccy>	[0..1]	CodeSet	C1	443
	Amount <Amt>	[1..1]	Amount		444
	ServerData <SvrData>	[0..1]			444
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		444
	ApprovalCode <ApprvlCd>	[0..1]	Text		444

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		444
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		445
	Rebates <Rbts>	[0..1]			445
	TotalRebate <TtlRbt>	[0..1]	Amount		445
	RebateLabel <RbtLbl>	[0..1]	Text		445
	SaleItemRebate <SaleitmRbt>	[0..*]			445
	SaleItem <Saleitm>	[1..1]	±		446
	RebateLabel <RbtLbl>	[0..1]	Text		446
	StoredValueResponse <StordValRspn>	[0..1]			446
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		447
	POITransactionIdentification <POITxId>	[1..1]	±		448
	Result <Rslt>	[0..*]			448
	Provider <Prvdr>	[0..1]	Text		449
	TransactionType <TxTp>	[1..1]	CodeSet		449
	AccountIdentification <AcctId>	[0..1]			450
	AccountType <AcctTp>	[0..1]	CodeSet		450
	IdentificationType <IdTp>	[0..1]	CodeSet		451
	Identification <Id>	[0..1]	Text		451
	Brand <Brnd>	[0..1]	Text		452
	Provider <Prvdr>	[0..1]	Text		452
	OwnerName <OwnrNm>	[0..1]	Text		452
	ExpiryDate <XpryDt>	[0..1]	Text		452
	EntryMode <NtryMd>	[0..1]	CodeSet		452
	Currency <Ccy>	[0..1]	CodeSet	C1	453
	Balance <Bal>	[0..1]	Amount		453
	OriginalPOITransaction <OrgnIPOITx>	[0..1]	±		453
	ProductCode <PdctCd>	[0..1]	Text		458
	EANUPC <EANUPC>	[0..1]	Text		458
	ItemAmount <ItmAmt>	[0..1]	Amount		458
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	HostTransactionIdentification <HstTxId>	[0..1]	±		459

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Receipt <Rct>	[0..*]	±		459
	BatchResponse <BtchRspn>	[0..1]			459
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		460
	POIBatchIdentification <POIBtchId>	[0..1]	±		461
	PerformedTransaction <PrfrmdTx>	[0..*]			461
	Response <Rspn>	[1..1]	±		462
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		463
	POITransactionIdentification <POITxId>	[0..1]	±		463
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		463
	PaymentResult <PmtRslt>	[0..1]	±		463
	LoyaltyResult <LtyRslt>	[0..*]			466
	Account <Acct>	[1..1]	±		467
	Amount <Amt>	[0..1]			468
	Unit <Unit>	[0..1]	CodeSet		468
	Currency <Ccy>	[0..1]	CodeSet	C1	468
	Amount <Amt>	[1..1]	Amount		468
	ServerData <SvrData>	[0..1]			468
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		469
	ApprovalCode <ApprvlCd>	[0..1]	Text		469
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		469
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		469
	Rebates <Rbts>	[0..1]			469
	TotalRebate <TtlRbt>	[0..1]	Amount		470
	RebateLabel <RbtLbl>	[0..1]	Text		470
	SaleItemRebate <SaleitmRbt>	[0..*]			470
	SaleItem <Saleitm>	[1..1]	±		470
	RebateLabel <RbtLbl>	[0..1]	Text		471
	ReversedAmount <RvsdAmt>	[0..1]	Amount		471
	CardAcquisitionResponse <CardAcqstnRspn>	[0..1]			471
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		472
	POITransactionIdentification <POITxId>	[1..1]	±		472

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentBrand <PmtBrnd>	[0..*]	Text		472
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	472
	LoyaltyAccount <LltyAcct>	[0..*]	±		473
	CustomerOrder <CstmrOrd>	[0..*]	±		473
	Response <Rspn>	[1..1]	±		474
	SupplementaryData <SplmtryData>	[0..*]	±	C6	474
	ReportGetTotalsResponse <RptGetTtlsRspn>	[0..1]			475
	POIReconciliationIdentification <POIRcncltnId>	[1..1]	Text		477
	TransactionTotalsSet <TxTtlsSet>	[0..*]			477
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		479
	AcquirerIdentification <Acqrrld>	[0..1]	Text		479
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		479
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		479
	Brand <Brnd>	[0..1]	Text		479
	POIIdentification <POIID>	[0..1]	Text		479
	SaleIdentification <SaleId>	[0..1]	Text		480
	CashierIdentification <CshrlId>	[0..1]	Text		480
	ShiftNumber <ShftNb>	[0..1]	Text		480
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			480
	CommonName <CmonNm>	[1..1]	Text		480
	Address <Adr>	[0..1]	Text		480
	CountryCode <CtryCd>	[1..1]	CodeSet		480
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		481
	RegisteredIdentifier <Regldr>	[1..1]	Text		481
	TransactionTotal <TxTtl>	[1..1]			481
	POIGroupIdentification <POIGrpld>	[0..1]	Text		481
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		481
	Currency <Ccy>	[0..1]	CodeSet	C1	481
	Type <Tp>	[1..1]	CodeSet		482
	TotalNumber <TtlNb>	[1..1]	Quantity		482
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		482

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DetailedAmount <DtldAmt>	[0..1]	±		482
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			483
	POIGroupIdentification <POIGrpId>	[0..1]	Text		483
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		483
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		484
	Currency <Ccy>	[0..1]	CodeSet	C1	484
	TransactionType <TxTp>	[1..1]	CodeSet		484
	TotalNumber <TtlNb>	[1..1]	Quantity		484
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		485
	DetailedAmount <DtldAmt>	[0..1]	±		485
	Response <Rspn>	[1..1]	±		485
	SupplementaryData <SplmtryData>	[0..*]	±	C6	485
	SecurityTrailer <SctyTrlr>	[0..1]	±		486

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 CurrencyAmount

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

C5 IBAN

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

C6 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.

C7 ValidationByTable

Must be a valid terrestrial language.

11.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

11.4.1 Header <Hdr>

Presence: [1..1]

Definition: 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		376
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		377
	ExchangeIdentification <XchgId>	[1..1]	Text		377
	CreationDateTime <CreDtTm>	[1..1]	DateTime		377
	InitiatingParty <InitgPty>	[1..1]	±		378
	RecipientParty <RcptPty>	[0..1]	±		378
	Traceability <Tracblt>	[0..*]	±		379

11.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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,

CodeName	Name	Definition
		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 1089

11.4.1.3 ExchangelIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

11.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

11.4.2 ReportResponse <RptRspn>

Presence: [1..1]

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

ReportResponse <RptRspn> contains the following **ReportResponse7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		386
	Context <Cntxt>	[1..1]	±		392
	ServiceContent <SvcCntt>	[1..1]	CodeSet		395
	ReportTransactionResponse <RptTxRspn>	[0..1]			395
	ReportFullSize <RptFullSz>	[1..1]	Quantity		400
	BlockStart <BlckStart>	[1..1]	Quantity		400
	BlockStop <BlckStop>	[1..1]	Quantity		401
	TransactionReport <TxRpt>	[0..*]			401
	Environment <Envt>	[1..1]	±		406
	Context <Cntxt>	[1..1]	±		412
	ServiceContent <SvcCntt>	[1..1]	CodeSet		415
	PaymentResponse <PmtRspn>	[0..1]			415
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		416
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		417
	POITransactionIdentification <POITxId>	[1..1]	±		417
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		417
	IssuerReferenceData <IssrRefData>	[0..1]	Text		417
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		417
	PaymentReceipt <PmtRct>	[0..*]	±		420
	LoyaltyResult <LltyRslt>	[0..*]			420
	Account <Acct>	[1..1]	±		421
	Amount <Amt>	[0..1]			422
	Unit <Unit>	[0..1]	CodeSet		422
	Currency <Ccy>	[0..1]	CodeSet	C1	422
	Amount <Amt>	[1..1]	Amount		422
	ServerData <SvrData>	[0..1]			422
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		423
	ApprovalCode <ApprvlCd>	[0..1]	Text		423
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		423
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		423
	Rebates <Rbts>	[0..1]			423

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalRebate <TtlRbt>	[0..1]	Amount		424
	RebateLabel <RbtLbl>	[0..1]	Text		424
	SaleItemRebate <SaleitmRbt>	[0..*]			424
	SaleItem <Saleitm>	[1..1]	±		424
	RebateLabel <RbtLbl>	[0..1]	Text		425
	CustomerOrder <CstmrOrd>	[0..*]	±		425
	ReversalResponse <RvslRspn>	[0..1]			426
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		426
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		427
	POITransactionIdentification <POITxId>	[1..1]	±		427
	POIReconciliationIdentification <POIRcnclnId>	[0..1]	Text		427
	IssuerReferenceData <IssrRefData>	[0..1]	Text		427
	ReversalTransactionResult <RvslTxRslt>	[1..1]			427
	POIReconciliationIdentification <POIRcnclnId>	[0..1]	Text		428
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		428
	CustomerOrder <CstmrOrd>	[0..*]	±		433
	ReversedAmount <RvsdAmt>	[0..1]	Amount		433
	Receipt <Rct>	[0..*]	±		433
	BalanceInquiryResponse <BalNqryRspn>	[0..1]			434
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		435
	POITransactionIdentification <POITxId>	[0..1]	±		435
	PaymentAccount <PmtAcct>	[0..1]			435
	Currency <Ccy>	[0..1]	CodeSet	C1	435
	CurrentBalance <CurBal>	[0..1]	Amount		436
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		436
	LoyaltyAccount <LltyAcct>	[0..1]	±		436
	StoredValueAccount <StordValAcct>	[0..*]			436
	AccountType <AcctTp>	[0..1]	CodeSet		437
	IdentificationType <IdTp>	[0..1]	CodeSet		438
	Identification <Id>	[0..1]	Text		438
	Brand <Brnd>	[0..1]	Text		438

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		438
	OwnerName <OwnrNm>	[0..1]	Text		438
	ExpiryDate <XpryDt>	[0..1]	Text		439
	EntryMode <NtryMd>	[0..1]	CodeSet		439
	Currency <Ccy>	[0..1]	CodeSet	C1	439
	Balance <Bal>	[0..1]	Amount		440
	Receipt <Rct>	[0..*]	±		440
	LoyaltyResponse <LltyRspn>	[0..1]			440
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		441
	POITransactionIdentification <POITxld>	[1..1]	±		441
	POIReconciliationIdentification <POIRcncltnld>	[0..1]	Text		442
	Result <Rslt>	[0..*]			442
	Account <Acct>	[1..1]	±		442
	Amount <Amt>	[0..1]			443
	Unit <Unit>	[0..1]	CodeSet		443
	Currency <Ccy>	[0..1]	CodeSet	C1	443
	Amount <Amt>	[1..1]	Amount		444
	ServerData <SvrData>	[0..1]			444
	LoyaltyServerIdentification <LltySvrld>	[0..1]	Text		444
	ApprovalCode <AprvlCd>	[0..1]	Text		444
	LoyaltyTransactionIdentification <LltyTxld>	[0..1]	±		444
	HostReconciliationIdentification <HstRcncltnld>	[0..1]	Text		445
	Rebates <Rbts>	[0..1]			445
	TotalRebate <TtlRbt>	[0..1]	Amount		445
	RebateLabel <RbtLbl>	[0..1]	Text		445
	SaleItemRebate <SaleitmRbt>	[0..*]			445
	SaleItem <Saleitm>	[1..1]	±		446
	RebateLabel <RbtLbl>	[0..1]	Text		446
	StoredValueResponse <StordValRspn>	[0..1]			446
	SaleTransactionIdentification <SaleTxld>	[0..1]	±		447
	POITransactionIdentification <POITxld>	[1..1]	±		448

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..*]			448
	Provider <Prvdr>	[0..1]	Text		449
	TransactionType <TxTp>	[1..1]	CodeSet		449
	AccountIdentification <AcctId>	[0..1]			450
	AccountType <AcctTp>	[0..1]	CodeSet		450
	IdentificationType <IdTp>	[0..1]	CodeSet		451
	Identification <Id>	[0..1]	Text		451
	Brand <Brnd>	[0..1]	Text		452
	Provider <Prvdr>	[0..1]	Text		452
	OwnerName <OwnrNm>	[0..1]	Text		452
	ExpiryDate <XpryDt>	[0..1]	Text		452
	EntryMode <NtryMd>	[0..1]	CodeSet		452
	Currency <Ccy>	[0..1]	CodeSet	C1	453
	Balance <Bal>	[0..1]	Amount		453
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		453
	ProductCode <PdctCd>	[0..1]	Text		458
	EANUPC <EANUPC>	[0..1]	Text		458
	ItemAmount <ItmAmt>	[0..1]	Amount		458
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	HostTransactionIdentification <HstTxId>	[0..1]	±		459
	Receipt <Rct>	[0..*]	±		459
	BatchResponse <BtchRspn>	[0..1]			459
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		460
	POIBatchIdentification <POIBtchId>	[0..1]	±		461
	PerformedTransaction <PrfrmdTx>	[0..*]			461
	Response <Rspn>	[1..1]	±		462
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		463
	POITransactionIdentification <POITxId>	[0..1]	±		463
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		463
	PaymentResult <PmtRslt>	[0..1]	±		463
	LoyaltyResult <LltyRslt>	[0..*]			466

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Account <Acct>	[1..1]	±		467
	Amount <Amt>	[0..1]			468
	Unit <Unit>	[0..1]	CodeSet		468
	Currency <Ccy>	[0..1]	CodeSet	C1	468
	Amount <Amt>	[1..1]	Amount		468
	ServerData <SvrData>	[0..1]			468
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		469
	ApprovalCode <ApprvlCd>	[0..1]	Text		469
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		469
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		469
	Rebates <Rbts>	[0..1]			469
	TotalRebate <TtlRbt>	[0..1]	Amount		470
	RebateLabel <RbtLbl>	[0..1]	Text		470
	SaleItemRebate <SaleitmRbt>	[0..*]			470
	SaleItem <Saleitm>	[1..1]	±		470
	RebateLabel <RbtLbl>	[0..1]	Text		471
	ReversedAmount <RvsdAmt>	[0..1]	Amount		471
	CardAcquisitionResponse <CardAcqstnRspn>	[0..1]			471
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		472
	POITransactionIdentification <POITxId>	[1..1]	±		472
	PaymentBrand <PmtBrnd>	[0..*]	Text		472
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	472
	LoyaltyAccount <LtyAcct>	[0..*]	±		473
	CustomerOrder <CstmrOrd>	[0..*]	±		473
	Response <Rspn>	[1..1]	±		474
	SupplementaryData <SplmtryData>	[0..*]	±	C6	474
	ReportGetTotalsResponse <RptGetTtlsRspn>	[0..1]			475
	POIReconciliationIdentification <POIRcncltnId>	[1..1]	Text		477
	TransactionTotalsSet <TxTtlsSet>	[0..*]			477
	PaymentInstrumentType <PmtInstmTp>	[1..1]	CodeSet		479
	AcquirerIdentification <AcqrrId>	[0..1]	Text		479

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		479
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		479
	Brand <Brnd>	[0..1]	Text		479
	POIIdentification <POIId>	[0..1]	Text		479
	SaleIdentification <SaleId>	[0..1]	Text		480
	CashierIdentification <CshrlId>	[0..1]	Text		480
	ShiftNumber <ShftNb>	[0..1]	Text		480
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			480
	CommonName <CmonNm>	[1..1]	Text		480
	Address <Adr>	[0..1]	Text		480
	CountryCode <CtryCd>	[1..1]	CodeSet		480
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		481
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		481
	TransactionTotal <TxTtl>	[1..1]			481
	POIGroupIdentification <POIGrpId>	[0..1]	Text		481
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		481
	Currency <Ccy>	[0..1]	CodeSet	C1	481
	Type <Tp>	[1..1]	CodeSet		482
	TotalNumber <TtlNb>	[1..1]	Quantity		482
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		482
	DetailedAmount <DtldAmt>	[0..1]	±		482
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			483
	POIGroupIdentification <POIGrpId>	[0..1]	Text		483
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		483
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		484
	Currency <Ccy>	[0..1]	CodeSet	C1	484
	TransactionType <TxTp>	[1..1]	CodeSet		484
	TotalNumber <TtlNb>	[1..1]	Quantity		484
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		485
	DetailedAmount <DtldAmt>	[0..1]	±		485
	Response <Rspn>	[1..1]	±		485

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SupplementaryData <SplmtryData>	[0..*]	±	C6	485

11.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrdrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrlId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

11.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService7Code" on page 1069

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 **ReportTransactionResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReportFullSize <RptFullSz>	[1..1]	Quantity		400
	BlockStart <BlckStart>	[1..1]	Quantity		400
	BlockStop <BlckStop>	[1..1]	Quantity		401
	TransactionReport <TxRpt>	[0..*]			401
	Environment <Envt>	[1..1]	±		406
	Context <Cntxt>	[1..1]	±		412
	ServiceContent <SvcCntt>	[1..1]	CodeSet		415
	PaymentResponse <PmtRspn>	[0..1]			415
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		416
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		417
	POITransactionIdentification <POITxId>	[1..1]	±		417
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		417
	IssuerReferenceData <IssrRefData>	[0..1]	Text		417
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		417
	PaymentReceipt <PmtRct>	[0..*]	±		420
	LoyaltyResult <LltyRslt>	[0..*]			420
	Account <Acct>	[1..1]	±		421
	Amount <Amt>	[0..1]			422
	Unit <Unit>	[0..1]	CodeSet		422
	Currency <Ccy>	[0..1]	CodeSet	C1	422
	Amount <Amt>	[1..1]	Amount		422
	ServerData <SvrData>	[0..1]			422
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		423
	ApprovalCode <ApprvlCd>	[0..1]	Text		423
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		423
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		423
	Rebates <Rbts>	[0..1]			423
	TotalRebate <TtlRbt>	[0..1]	Amount		424
	RebateLabel <RbtLbl>	[0..1]	Text		424
	SaleItemRebate <SaleItmRbt>	[0..*]			424

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItem <Saleitm>	[1..1]	±		424
	RebateLabel <RbtLbl>	[0..1]	Text		425
	CustomerOrder <CstmrOrd>	[0..*]	±		425
	ReversalResponse <RvslRspn>	[0..1]			426
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		426
	SaleReferenceIdentification <SaleRefld>	[0..1]	Text		427
	POITransactionIdentification <POITxld>	[1..1]	±		427
	POIReconciliationIdentification <POIRcncltnld>	[0..1]	Text		427
	IssuerReferenceData <IssrRefData>	[0..1]	Text		427
	ReversalTransactionResult <RvslTxRslt>	[1..1]			427
	POIReconciliationIdentification <POIRcncltnld>	[0..1]	Text		428
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		428
	CustomerOrder <CstmrOrd>	[0..*]	±		433
	ReversedAmount <RvsdAmt>	[0..1]	Amount		433
	Receipt <Rct>	[0..*]	±		433
	BalanceInquiryResponse <BalNqryRspn>	[0..1]			434
	SaleTransactionIdentification <SaleTxld>	[0..1]	±		435
	POITransactionIdentification <POITxld>	[0..1]	±		435
	PaymentAccount <PmtAcct>	[0..1]			435
	Currency <Ccy>	[0..1]	CodeSet	C1	435
	CurrentBalance <CurBal>	[0..1]	Amount		436
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		436
	LoyaltyAccount <LltyAcct>	[0..1]	±		436
	StoredValueAccount <StordValAcct>	[0..*]			436
	AccountType <AcctTp>	[0..1]	CodeSet		437
	IdentificationType <IdTp>	[0..1]	CodeSet		438
	Identification <Id>	[0..1]	Text		438
	Brand <Brnd>	[0..1]	Text		438
	Provider <Prvdr>	[0..1]	Text		438
	OwnerName <OwnrNm>	[0..1]	Text		438
	ExpiryDate <XpryDt>	[0..1]	Text		439

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		439
	Currency <Ccy>	[0..1]	CodeSet	C1	439
	Balance <Bal>	[0..1]	Amount		440
	Receipt <Rct>	[0..*]	±		440
	LoyaltyResponse <LtyRspn>	[0..1]			440
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		441
	POITransactionIdentification <POITxId>	[1..1]	±		441
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		442
	Result <RsIt>	[0..*]			442
	Account <Acct>	[1..1]	±		442
	Amount <Amt>	[0..1]			443
	Unit <Unit>	[0..1]	CodeSet		443
	Currency <Ccy>	[0..1]	CodeSet	C1	443
	Amount <Amt>	[1..1]	Amount		444
	ServerData <SvrData>	[0..1]			444
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		444
	ApprovalCode <ApprvICd>	[0..1]	Text		444
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		444
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		445
	Rebates <Rbts>	[0..1]			445
	TotalRebate <TtlRbt>	[0..1]	Amount		445
	RebateLabel <RbtLabl>	[0..1]	Text		445
	SaleItemRebate <SaleItmRbt>	[0..*]			445
	SaleItem <SaleItm>	[1..1]	±		446
	RebateLabel <RbtLabl>	[0..1]	Text		446
	StoredValueResponse <StordValRspn>	[0..1]			446
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		447
	POITransactionIdentification <POITxId>	[1..1]	±		448
	Result <RsIt>	[0..*]			448
	Provider <Prvdr>	[0..1]	Text		449
	TransactionType <TxTp>	[1..1]	CodeSet		449

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountIdentification <AcctId>	[0..1]			450
	AccountType <AcctTp>	[0..1]	CodeSet		450
	IdentificationType <IdTp>	[0..1]	CodeSet		451
	Identification <Id>	[0..1]	Text		451
	Brand <Brnd>	[0..1]	Text		452
	Provider <Prvdr>	[0..1]	Text		452
	OwnerName <OwnrNm>	[0..1]	Text		452
	ExpiryDate <XpryDt>	[0..1]	Text		452
	EntryMode <NtryMd>	[0..1]	CodeSet		452
	Currency <Ccy>	[0..1]	CodeSet	C1	453
	Balance <Bal>	[0..1]	Amount		453
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		453
	ProductCode <PdctCd>	[0..1]	Text		458
	EANUPC <EANUPC>	[0..1]	Text		458
	ItemAmount <ItmAmt>	[0..1]	Amount		458
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	HostTransactionIdentification <HstTxId>	[0..1]	±		459
	Receipt <Rct>	[0..*]	±		459
	BatchResponse <BtchRspn>	[0..1]			459
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		460
	POIBatchIdentification <POIBtchId>	[0..1]	±		461
	PerformedTransaction <PrfrmdTx>	[0..*]			461
	Response <Rspn>	[1..1]	±		462
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		463
	POITransactionIdentification <POITxId>	[0..1]	±		463
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		463
	PaymentResult <PmtRslt>	[0..1]	±		463
	LoyaltyResult <LltyRslt>	[0..*]			466
	Account <Acct>	[1..1]	±		467
	Amount <Amt>	[0..1]			468
	Unit <Unit>	[0..1]	CodeSet		468

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	468
	Amount <Amt>	[1..1]	Amount		468
	ServerData <SvrData>	[0..1]			468
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		469
	ApprovalCode <ApprvlCd>	[0..1]	Text		469
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		469
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		469
	Rebates <Rbts>	[0..1]			469
	TotalRebate <TtlRbt>	[0..1]	Amount		470
	RebateLabel <RbtLbl>	[0..1]	Text		470
	SaleItemRebate <SaleitmRbt>	[0..*]			470
	SaleItem <Saleitm>	[1..1]	±		470
	RebateLabel <RbtLbl>	[0..1]	Text		471
	ReversedAmount <RvsdAmt>	[0..1]	Amount		471
	CardAcquisitionResponse <CardAcqstnRspn>	[0..1]			471
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		472
	POITransactionIdentification <POITxId>	[1..1]	±		472
	PaymentBrand <PmtBrnd>	[0..*]	Text		472
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	472
	LoyaltyAccount <LtyAcct>	[0..*]	±		473
	CustomerOrder <CstmrOrd>	[0..*]	±		473
	Response <Rspn>	[1..1]	±		474
	SupplementaryData <SplmtryData>	[0..*]	±	C6	474

11.4.2.4.1 ReportFullSize <RptFullSz>

Presence: [1..1]

Definition: Specifies the total number of transactions matching the search criteria.

Datatype: "PositiveNumber" on page 1084

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 1084

11.4.2.4.3 BlockStop <BlckStop>

Presence: [1..1]

Definition: Index of the last transaction reported in this message.

Datatype: "PositiveNumber" on page 1084

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 **ServiceResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		406
	Context <Cntxt>	[1..1]	±		412
	ServiceContent <SvcCntt>	[1..1]	CodeSet		415
	PaymentResponse <PmtRspn>	[0..1]			415
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		416
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		417
	POITransactionIdentification <POITxId>	[1..1]	±		417
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		417
	IssuerReferenceData <IssrRefData>	[0..1]	Text		417
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		417
	PaymentReceipt <PmtRct>	[0..*]	±		420
	LoyaltyResult <LtyRslt>	[0..*]			420
	Account <Acct>	[1..1]	±		421
	Amount <Amt>	[0..1]			422
	Unit <Unit>	[0..1]	CodeSet		422
	Currency <Ccy>	[0..1]	CodeSet	C1	422
	Amount <Amt>	[1..1]	Amount		422
	ServerData <SvrData>	[0..1]			422
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		423
	ApprovalCode <ApprvlCd>	[0..1]	Text		423
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		423
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		423
	Rebates <Rbts>	[0..1]			423
	TotalRebate <TtlRbt>	[0..1]	Amount		424
	RebateLabel <RbtLabl>	[0..1]	Text		424
	SaleItemRebate <SaleItmRbt>	[0..*]			424
	SaleItem <SaleItm>	[1..1]	±		424
	RebateLabel <RbtLabl>	[0..1]	Text		425
	CustomerOrder <CstmrOrd>	[0..*]	±		425
	ReversalResponse <RvsIRspn>	[0..1]			426
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		426

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		427
	POITransactionIdentification <POITxId>	[1..1]	±		427
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		427
	IssuerReferenceData <IssrRefData>	[0..1]	Text		427
	ReversalTransactionResult <RvsITxRslt>	[1..1]			427
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		428
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		428
	CustomerOrder <CstmrOrd>	[0..*]	±		433
	ReversedAmount <RvsdAmt>	[0..1]	Amount		433
	Receipt <Rct>	[0..*]	±		433
	BalanceInquiryResponse <BalInqryRspn>	[0..1]			434
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		435
	POITransactionIdentification <POITxId>	[0..1]	±		435
	PaymentAccount <PmtAcct>	[0..1]			435
	Currency <Ccy>	[0..1]	CodeSet	C1	435
	CurrentBalance <CurBal>	[0..1]	Amount		436
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		436
	LoyaltyAccount <LltyAcct>	[0..1]	±		436
	StoredValueAccount <StordValAcct>	[0..*]			436
	AccountType <AcctTp>	[0..1]	CodeSet		437
	IdentificationType <IdTp>	[0..1]	CodeSet		438
	Identification <Id>	[0..1]	Text		438
	Brand <Brnd>	[0..1]	Text		438
	Provider <Prvdr>	[0..1]	Text		438
	OwnerName <OwnrNm>	[0..1]	Text		438
	ExpiryDate <XpryDt>	[0..1]	Text		439
	EntryMode <NtryMd>	[0..1]	CodeSet		439
	Currency <Ccy>	[0..1]	CodeSet	C1	439
	Balance <Bal>	[0..1]	Amount		440
	Receipt <Rct>	[0..*]	±		440
	LoyaltyResponse <LltyRspn>	[0..1]			440

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		441
	POITransactionIdentification <POITxId>	[1..1]	±		441
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		442
	Result <Rslt>	[0..*]			442
	Account <Acct>	[1..1]	±		442
	Amount <Amt>	[0..1]			443
	Unit <Unit>	[0..1]	CodeSet		443
	Currency <Ccy>	[0..1]	CodeSet	C1	443
	Amount <Amt>	[1..1]	Amount		444
	ServerData <SvrData>	[0..1]			444
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		444
	ApprovalCode <ApprvlCd>	[0..1]	Text		444
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		444
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		445
	Rebates <Rbts>	[0..1]			445
	TotalRebate <TtlRbt>	[0..1]	Amount		445
	RebateLabel <RbtLbl>	[0..1]	Text		445
	SaleItemRebate <SaleitmRbt>	[0..*]			445
	SaleItem <Saleitm>	[1..1]	±		446
	RebateLabel <RbtLbl>	[0..1]	Text		446
	StoredValueResponse <StordValRspn>	[0..1]			446
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		447
	POITransactionIdentification <POITxId>	[1..1]	±		448
	Result <Rslt>	[0..*]			448
	Provider <Prvdr>	[0..1]	Text		449
	TransactionType <TxTp>	[1..1]	CodeSet		449
	AccountIdentification <AcctId>	[0..1]			450
	AccountType <AcctTp>	[0..1]	CodeSet		450
	IdentificationType <IdTp>	[0..1]	CodeSet		451
	Identification <Id>	[0..1]	Text		451
	Brand <Brnd>	[0..1]	Text		452

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		452
	OwnerName <OwnrNm>	[0..1]	Text		452
	ExpiryDate <XpryDt>	[0..1]	Text		452
	EntryMode <NtryMd>	[0..1]	CodeSet		452
	Currency <Ccy>	[0..1]	CodeSet	C1	453
	Balance <Bal>	[0..1]	Amount		453
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		453
	ProductCode <PdctCd>	[0..1]	Text		458
	EANUPC <EANUPC>	[0..1]	Text		458
	ItemAmount <ItmAmt>	[0..1]	Amount		458
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	HostTransactionIdentification <HstTxId>	[0..1]	±		459
	Receipt <Rct>	[0..*]	±		459
	BatchResponse <BtchRspn>	[0..1]			459
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		460
	POIBatchIdentification <POIBtchId>	[0..1]	±		461
	PerformedTransaction <PrfrmdTx>	[0..*]			461
	Response <Rspn>	[1..1]	±		462
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		463
	POITransactionIdentification <POITxId>	[0..1]	±		463
	POIReconciliationIdentification <POIRcnclnId>	[0..1]	Text		463
	PaymentResult <PmtRslt>	[0..1]	±		463
	LoyaltyResult <LltyRslt>	[0..*]			466
	Account <Acct>	[1..1]	±		467
	Amount <Amt>	[0..1]			468
	Unit <Unit>	[0..1]	CodeSet		468
	Currency <Ccy>	[0..1]	CodeSet	C1	468
	Amount <Amt>	[1..1]	Amount		468
	ServerData <SvrData>	[0..1]			468
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		469
	ApprovalCode <ApprvlCd>	[0..1]	Text		469

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyTransactionIdentification <LtyTxld>	[0..1]	±		469
	HostReconciliationIdentification <HstRcncltnld>	[0..1]	Text		469
	Rebates <Rbts>	[0..1]			469
	TotalRebate <TtlRbt>	[0..1]	Amount		470
	RebateLabel <RbtLbl>	[0..1]	Text		470
	SaleItemRebate <SaleitmRbt>	[0..*]			470
	SaleItem <Saleitm>	[1..1]	±		470
	RebateLabel <RbtLbl>	[0..1]	Text		471
	ReversedAmount <RvsdAmt>	[0..1]	Amount		471
	CardAcquisitionResponse <CardAcqstnRspn>	[0..1]			471
	SaleTransactionIdentification <SaleTxld>	[0..1]	±		472
	POITransactionIdentification <POITxld>	[1..1]	±		472
	PaymentBrand <PmtBrnd>	[0..*]	Text		472
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	472
	LoyaltyAccount <LtyAcct>	[0..*]	±		473
	CustomerOrder <CstmrOrdr>	[0..*]	±		473
	Response <Rspn>	[1..1]	±		474
	SupplementaryData <SplmtryData>	[0..*]	±	C6	474

11.4.2.4.4.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <GrpId>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <Drvrld>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhdldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

11.4.2.4.4.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcnclnId>	[0..1]	Text		896
	CashierIdentification <CshrlId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

11.4.2.4.4.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service response.

Datatype: "RetailerService3Code" on page 1068

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.

11.4.2.4.4.4 PaymentResponse <PmtRspn>

Presence: [0..1]

Definition: Data to respond to a Payment request.

PaymentResponse <PmtRspn> contains the following **PaymentResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		416
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		417
	POITransactionIdentification <POITxId>	[1..1]	±		417
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		417
	IssuerReferenceData <IssrRefData>	[0..1]	Text		417
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		417
	PaymentReceipt <PmtRct>	[0..*]	±		420
	LoyaltyResult <LltyRslt>	[0..*]			420
	Account <Acct>	[1..1]	±		421
	Amount <Amt>	[0..1]			422
	Unit <Unit>	[0..1]	CodeSet		422
	Currency <Ccy>	[0..1]	CodeSet	C1	422
	Amount <Amt>	[1..1]	Amount		422
	ServerData <SvrData>	[0..1]			422
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		423
	ApprovalCode <ApprvlCd>	[0..1]	Text		423
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		423
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		423
	Rebates <Rbts>	[0..1]			423
	TotalRebate <TtlRbt>	[0..1]	Amount		424
	RebateLabel <RbtLabl>	[0..1]	Text		424
	SaleItemRebate <SaleitmRbt>	[0..*]			424
	SaleItem <Saleitm>	[1..1]	±		424
	RebateLabel <RbtLabl>	[0..1]	Text		425
	CustomerOrder <CstmrOrd>	[0..*]	±		425

11.4.2.4.4.1 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.4.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 1088

11.4.2.4.4.4.3 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.4.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 1088

11.4.2.4.4.4.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 1086

11.4.2.4.4.4.6 RetailerPaymentResult <RtlrPmtRslt>

Presence: [1..1]

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

RetailerPaymentResult <RtlrPmtRslt> contains the following elements (see "RetailerPaymentResult6" on page 764 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		767
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		768
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		769
	RequestedTransaction <ReqdTxx>	[0..1]	±		769
	TransactionResponse <TxRspn>	[0..1]			774
	AuthorisationResult <AuthstnRslt>	[1..1]			777
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		777
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			778
	Response <Rspn>	[1..1]	CodeSet		778
	ResponseReason <RspnRsn>	[0..1]	Text		778
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		778
	AuthorisationCode <AuthstnCd>	[0..1]	Text		778
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		778
	TMSTrigger <TMSTrggr>	[0..1]			779
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		779
	TMSIdentification <TMSId>	[0..1]	Text		779
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		779
	AllowedProductCode <AllwdPdctCd>	[0..*]			779
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		781
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		781
	AmountLimit <AmtLmt>	[0..1]	Amount		781
	QuantityLimit <QtyLmt>	[0..1]	Quantity		781
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		781
	Balance <Bal>	[0..1]	±		783

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedBalance <PrtctdBal>	[0..1]	±		783
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]	±		785
	RemoteAccess <RmotAccs>	[0..1]	±		786
	Retry <Rtry>	[0..1]	±		786
	TimeCondition <TmCond>	[0..1]	±		786
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			787
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		789
	TargetCurrency <TrgtCcy>	[1..1]			789
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	789
	NumericCode <NmrcCd>	[1..1]	Text		789
	Decimal <Dcml>	[1..1]	Quantity		789
	Name <Nm>	[0..1]	Text		790
	ResultingAmount <RsltAmt>	[0..1]	Amount		790
	ExchangeRate <XchgRate>	[1..1]	Rate		790
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		790
	QuotationDate <QtnDt>	[0..1]	DateTime		790
	ValidFrom <VldFr>	[0..1]	DateTime		790
	ValidUntil <VldUntil>	[0..1]	DateTime		790
	SourceCurrency <SrcCcy>	[1..1]			790
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	791
	NumericCode <NmrcCd>	[0..1]	Text		791
	Decimal <Dcml>	[0..1]	Quantity		791
	Name <Nm>	[0..1]	Text		791
	ApplicableBinRange <AplblBinRg>	[0..*]			791
	LowerBin <LwrBin>	[1..1]	Text		792
	HigherBin <HghrBin>	[1..1]	Text		792
	OriginalAmount <OrgnlAmt>	[0..1]			792
	ActualAmount <ActlAmt>	[0..1]	Amount		792
	MinimumAmount <MinAmt>	[0..1]	Amount		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumAmount <MaxAmt>	[0..1]	Amount		792
	CommissionDetails <ComssnDtls>	[0..*]			793
	Amount <Amt>	[1..1]	Amount		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	MarkUpDetails <MrkUpDtls>	[0..*]			793
	Rate <Rate>	[1..1]	Rate		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	DeclarationDetails <Dclrtndtls>	[0..*]	±		793
	CustomerOrder <CstmrOrdrr>	[0..*]	±		794
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			795
	ImageFormat <ImgFrmt>	[1..1]	Text		795
	ImageData <ImgData>	[0..1]	Binary		795
	ImageReference <ImgRef>	[0..1]	Text		796
	AdditionalInformation <AddtlInf>	[0..1]	Text		796
	ProtectedCapturedSignature <PrctcdCaptrdSgntr>	[0..1]	±		796
	MerchantOverrideFlag <MrchntOvrrdFlg>	[0..1]	Indicator		796
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	796
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		796

11.4.2.4.4.4.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

11.4.2.4.4.4.8 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]	±		421
	Amount <Amt>	[0..1]			422
	Unit <Unit>	[0..1]	CodeSet		422
	Currency <Ccy>	[0..1]	CodeSet	C1	422
	Amount <Amt>	[1..1]	Amount		422
	ServerData <SvrData>	[0..1]			422
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		423
	ApprovalCode <ApprvlCd>	[0..1]	Text		423
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		423
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		423
	Rebates <Rbts>	[0..1]			423
	TotalRebate <TtlRbt>	[0..1]	Amount		424
	RebateLabel <RbtLbl>	[0..1]	Text		424
	SaleItemRebate <SaleItmRbt>	[0..*]			424
	SaleItem <SaleItm>	[1..1]	±		424
	RebateLabel <RbtLbl>	[0..1]	Text		425

11.4.2.4.4.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

11.4.2.4.4.4.8.2 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		422
	Currency <Ccy>	[0..1]	CodeSet	C1	422
	Amount <Amt>	[1..1]	Amount		422

11.4.2.4.4.4.8.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 1026

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

11.4.2.4.4.4.8.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1017**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.

11.4.2.4.4.4.8.2.3 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**11.4.2.4.4.4.8.3 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		423
	ApprovalCode <ApprvICd>	[0..1]	Text		423
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		423
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		423

11.4.2.4.4.8.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

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

Datatype: "Min6Max8Text" on page 1091

11.4.2.4.4.8.3.3 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.8.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.4 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		424
	RebateLabel <RbtLabl>	[0..1]	Text		424
	SaleItemRebate <SaleitmRbt>	[0..*]			424
	SaleItem <Saleitm>	[1..1]	±		424
	RebateLabel <RbtLabl>	[0..1]	Text		425

11.4.2.4.4.4.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.4.8.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.4.8.4.3 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]	±		424
	RebateLabel <RbtLabl>	[0..1]	Text		425

11.4.2.4.4.4.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

11.4.2.4.4.8.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.9 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 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

11.4.2.4.4.5 ReversalResponse <RvslRspn>

Presence: [0..1]

Definition: Response Data to a Reversal request.

ReversalResponse <RvslRspn> contains the following **ReversalResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		426
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		427
	POITransactionIdentification <POITxId>	[1..1]	±		427
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		427
	IssuerReferenceData <IssrRefData>	[0..1]	Text		427
	ReversalTransactionResult <RvslTxRslt>	[1..1]			427
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		428
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		428
	CustomerOrder <CstmrOrd>	[0..*]	±		433
	ReversedAmount <RvsdAmt>	[0..1]	Amount		433
	Receipt <Rct>	[0..*]	±		433

11.4.2.4.4.5.1 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.5.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 1088

11.4.2.4.4.5.3 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.5.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 1088

11.4.2.4.4.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 1086

11.4.2.4.4.5.6 ReversalTransactionResult <RvsITxRsIt>

Presence: [1..1]

Definition: Result of reversal transaction.

ReversalTransactionResult <RvsITxRsIt> contains the following **RetailerReversalResult6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		428
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		428
	CustomerOrder <CstmrOrd>	[0..*]	±		433

11.4.2.4.4.5.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.5.6.2 OriginalPaymentTransaction <OrgnlPmtTx>

Presence: [0..1]

Definition: Original Transaction if any linked to this reversal.

OriginalPaymentTransaction <OrgnPmtTx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnITx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

11.4.2.4.4.5.6.3 CustomerOrder <CstmrOrdr>

Presence: [0..*]

Definition: Updated Customer order list after reversal.

CustomerOrder <CstmrOrdr> contains the following elements (see "CustomerOrder1" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlid>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefld>	[1..1]	Text		912
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

11.4.2.4.4.5.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.5.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

Receipt <Rct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

11.4.2.4.4.6 BalanceInquiryResponse <BalNqryRspn>

Presence: [0..1]

Definition: Response data to a balance inquiry service request.

BalanceInquiryResponse <BalNqryRspn> contains the following **BalanceInquiryResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		435
	POITransactionIdentification <POITxId>	[0..1]	±		435
	PaymentAccount <PmtAcct>	[0..1]			435
	Currency <Ccy>	[0..1]	CodeSet	C1	435
	CurrentBalance <CurBal>	[0..1]	Amount		436
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		436
	LoyaltyAccount <LtyAcct>	[0..1]	±		436
	StoredValueAccount <StordValAcct>	[0..*]			436
	AccountType <AcctTp>	[0..1]	CodeSet		437
	IdentificationType <IdTp>	[0..1]	CodeSet		438
	Identification <Id>	[0..1]	Text		438
	Brand <Brnd>	[0..1]	Text		438
	Provider <Prvdr>	[0..1]	Text		438
	OwnerName <OwnrNm>	[0..1]	Text		438
	ExpiryDate <XpryDt>	[0..1]	Text		439
	EntryMode <NtryMd>	[0..1]	CodeSet		439
	Currency <Ccy>	[0..1]	CodeSet	C1	439
	Balance <Bal>	[0..1]	Amount		440
	Receipt <Rct>	[0..*]	±		440

11.4.2.4.4.6.1 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.6.2 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.6.3 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	435
	CurrentBalance <CurBal>	[0..1]	Amount		436
	PaymentAcquirerData <PmtAcqrrData>	[0..1]	±		436

11.4.2.4.4.6.3.1 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of a Payment Account.*Impacted by:* [C1 "ActiveCurrency"](#)*Datatype:* ["ActiveCurrencyCode"](#) on page 1017**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.

11.4.2.4.4.6.3.2 CurrentBalance <CurBal>

Presence: [0..1]

Definition: Balance of a Payment Account

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.6.3.3 PaymentAcquirerData <PmtAcqrrData>

Presence: [0..1]

Definition: Detail of Acquirer.

PaymentAcquirerData <PmtAcqrrData> contains the following elements (see "Acquirer10" on page 638 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		638
	ParametersVersion <ParamsVrsn>	[0..1]	Text		638

11.4.2.4.4.6.4 LoyaltyAccount <LltyAcct>

Presence: [0..1]

Definition: Loyalty account information.

LoyaltyAccount <LltyAcct> contains the following elements (see "LoyaltyAccount3" on page 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LltyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

11.4.2.4.4.6.5 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		437
	IdentificationType <IdTp>	[0..1]	CodeSet		438
	Identification <Id>	[0..1]	Text		438
	Brand <Brnd>	[0..1]	Text		438
	Provider <Prvdr>	[0..1]	Text		438
	OwnerName <OwnrNm>	[0..1]	Text		438
	ExpiryDate <XpryDt>	[0..1]	Text		439
	EntryMode <NtryMd>	[0..1]	CodeSet		439
	Currency <Ccy>	[0..1]	CodeSet	C1	439
	Balance <Bal>	[0..1]	Amount		440

11.4.2.4.4.6.5.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

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.

11.4.2.4.4.6.5.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 1034

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.

11.4.2.4.4.6.5.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.6.5.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.6.5.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.6.5.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

11.4.2.4.4.6.5.7 ExpiryDate <XpryDt>*Presence:* [0..1]*Definition:* Expiry date of the account of card.*Datatype:* "Max10Text" on page 1086**11.4.2.4.4.6.5.8 EntryMode <NtryMd>***Presence:* [0..1]*Definition:* Standard or last entry mode to access the Stored Value account or card.*Datatype:* "CardDataReading8Code" on page 1033

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.)

11.4.2.4.4.6.5.9 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the Stored Value account.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1017**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.

11.4.2.4.4.6.5.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.6.6 Receipt <Rct>

Presence: [0..*]

Definition: Receipt to print after a balance inquiry.

Receipt <Rct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

11.4.2.4.4.7 LoyaltyResponse <LityRspn>

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]	±		441
	POITransactionIdentification <POITxId>	[1..1]	±		441
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		442
	Result <Rslt>	[0..*]			442
	Account <Acct>	[1..1]	±		442
	Amount <Amt>	[0..1]			443
	Unit <Unit>	[0..1]	CodeSet		443
	Currency <Ccy>	[0..1]	CodeSet	C1	443
	Amount <Amt>	[1..1]	Amount		444
	ServerData <SvrData>	[0..1]			444
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		444
	ApprovalCode <ApprvlCd>	[0..1]	Text		444
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		444
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		445
	Rebates <Rbts>	[0..1]			445
	TotalRebate <TtlRbt>	[0..1]	Amount		445
	RebateLabel <RbtLabl>	[0..1]	Text		445
	SaleItemRebate <SaleitmRbt>	[0..*]			445
	SaleItem <Saleitm>	[1..1]	±		446
	RebateLabel <RbtLabl>	[0..1]	Text		446

11.4.2.4.4.7.1 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.7.2 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.7.3 POIRconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.7.4 Result <RsIt>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Account <Acct>	[1..1]	±		442
	Amount <Amt>	[0..1]			443
	Unit <Unit>	[0..1]	CodeSet		443
	Currency <Ccy>	[0..1]	CodeSet	C1	443
	Amount <Amt>	[1..1]	Amount		444
	ServerData <SvrData>	[0..1]			444
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		444
	ApprovalCode <ApprvICd>	[0..1]	Text		444
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		444
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		445
	Rebates <Rbts>	[0..1]			445
	TotalRebate <TtlRbt>	[0..1]	Amount		445
	RebateLabel <RbtLabl>	[0..1]	Text		445
	SaleItemRebate <SaleItmRbt>	[0..*]			445
	SaleItem <SaleItm>	[1..1]	±		446
	RebateLabel <RbtLabl>	[0..1]	Text		446

11.4.2.4.4.7.4.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "LoyaltyAccount3" on page 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

11.4.2.4.4.7.4.2 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		443
	Currency <Ccy>	[0..1]	CodeSet	C1	443
	Amount <Amt>	[1..1]	Amount		444

11.4.2.4.4.7.4.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 1026

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

11.4.2.4.4.7.4.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

11.4.2.4.4.7.4.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.7.4.3 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 <LtySvrId>	[0..1]	Text		444
	ApprovalCode <ApprvlCd>	[0..1]	Text		444
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		444
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		445

11.4.2.4.4.7.4.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.7.4.3.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

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

Datatype: "Min6Max8Text" on page 1091

11.4.2.4.4.7.4.3.3 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.7.4.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.7.4.4 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		445
	RebateLabel <RbtLbl>	[0..1]	Text		445
	SaleItemRebate <SaleitmRbt>	[0..*]			445
	SaleItem <Saleitm>	[1..1]	±		446
	RebateLabel <RbtLbl>	[0..1]	Text		446

11.4.2.4.4.7.4.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.7.4.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.7.4.4.3 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]	±		446
	RebateLabel <RbtLbl>	[0..1]	Text		446

11.4.2.4.4.7.4.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

11.4.2.4.4.7.4.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8 StoredValueResponse <StordValRspn>

Presence: [0..1]

Definition: Response data to a Stored Value request.

StoredValueResponse <StordValRspn> contains the following **StoredValueResponse7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		447
	POITransactionIdentification <POITxId>	[1..1]	±		448
	Result <RsIt>	[0..*]			448
	Provider <Prvdr>	[0..1]	Text		449
	TransactionType <TxTp>	[1..1]	CodeSet		449
	AccountIdentification <AcctId>	[0..1]			450
	AccountType <AcctTp>	[0..1]	CodeSet		450
	IdentificationType <IdTp>	[0..1]	CodeSet		451
	Identification <Id>	[0..1]	Text		451
	Brand <Brnd>	[0..1]	Text		452
	Provider <Prvdr>	[0..1]	Text		452
	OwnerName <OwnrNm>	[0..1]	Text		452
	ExpiryDate <XpryDt>	[0..1]	Text		452
	EntryMode <NtryMd>	[0..1]	CodeSet		452
	Currency <Ccy>	[0..1]	CodeSet	C1	453
	Balance <Bal>	[0..1]	Amount		453
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		453
	ProductCode <PdctCd>	[0..1]	Text		458
	EANUPC <EANUPC>	[0..1]	Text		458
	ItemAmount <ItmAmt>	[0..1]	Amount		458
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	HostTransactionIdentification <HstTxId>	[0..1]	±		459
	Receipt <Rct>	[0..*]	±		459

11.4.2.4.4.8.1 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.8.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see "TransactionIdentifier1" on page 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.8.3 Result <RsIt>

Presence: [0..*]

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

Result <Rslt> contains the following **StoredValueData7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		449
	TransactionType <TxTp>	[1..1]	CodeSet		449
	AccountIdentification <AcctId>	[0..1]			450
	AccountType <AcctTp>	[0..1]	CodeSet		450
	IdentificationType <IdTp>	[0..1]	CodeSet		451
	Identification <Id>	[0..1]	Text		451
	Brand <Brnd>	[0..1]	Text		452
	Provider <Prvdr>	[0..1]	Text		452
	OwnerName <OwnrNm>	[0..1]	Text		452
	ExpiryDate <XpryDt>	[0..1]	Text		452
	EntryMode <NtryMd>	[0..1]	CodeSet		452
	Currency <Ccy>	[0..1]	CodeSet	C1	453
	Balance <Bal>	[0..1]	Amount		453
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		453
	ProductCode <PdctCd>	[0..1]	Text		458
	EANUPC <EANUPC>	[0..1]	Text		458
	ItemAmount <ItmAmt>	[0..1]	Amount		458
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	HostTransactionIdentification <HstTxId>	[0..1]	±		459

11.4.2.4.4.8.3.1 Provider <Prvdr>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: "StoredValueTransactionType3Code" on page 1073

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.
BALC	Balance	Balance enquiry.

11.4.2.4.4.8.3.3 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		450
	IdentificationType <IdTp>	[0..1]	CodeSet		451
	Identification <Id>	[0..1]	Text		451
	Brand <Brnd>	[0..1]	Text		452
	Provider <Prvdr>	[0..1]	Text		452
	OwnerName <OwnrNm>	[0..1]	Text		452
	ExpiryDate <XpryDt>	[0..1]	Text		452
	EntryMode <NtryMd>	[0..1]	CodeSet		452
	Currency <Ccy>	[0..1]	CodeSet	C1	453
	Balance <Bal>	[0..1]	Amount		453

11.4.2.4.4.8.3.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

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.

11.4.2.4.4.8.3.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 1034

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.

11.4.2.4.4.8.3.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

11.4.2.4.4.8.3.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

11.4.2.4.4.8.3.3.8 EntryMode <NtryMd>

Presence: [0..1]

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

Datatype: "CardDataReading8Code" on page 1033

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.

CodeName	Name	Definition
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.)

11.4.2.4.4.8.3.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

11.4.2.4.4.8.3.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.8.3.4 OriginalPOITransaction <OrgnlPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtnDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrdr>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

11.4.2.4.4.8.3.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.6 EANUPC <EANUPC>

Presence: [0..1]

Definition: Standard European Article Number Universal Product Code of item purchased with the transaction.

Datatype: "Max35NumericText" on page 1088

11.4.2.4.4.8.3.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.8.3.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the monetary amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

11.4.2.4.4.8.3.9 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.8.4 Receipt <Rct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

Receipt <Rct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

11.4.2.4.4.9 BatchResponse <BtchRspn>

Presence: [0..1]

Definition: Content of the Batch Response message.

BatchResponse <BtchRspn> contains the following **BatchResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleBatchIdentification <SaleBtchId>	[0..1]	±		460
	POIBatchIdentification <POIBtchId>	[0..1]	±		461
	PerformedTransaction <PrfrmdTx>	[0..*]			461
	Response <Rspn>	[1..1]	±		462
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		463
	POITransactionIdentification <POITxId>	[0..1]	±		463
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		463
	PaymentResult <PmtRslt>	[0..1]	±		463
	LoyaltyResult <LtyRslt>	[0..*]			466
	Account <Acct>	[1..1]	±		467
	Amount <Amt>	[0..1]			468
	Unit <Unit>	[0..1]	CodeSet		468
	Currency <Ccy>	[0..1]	CodeSet	C1	468
	Amount <Amt>	[1..1]	Amount		468
	ServerData <SvrData>	[0..1]			468
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		469
	ApprovalCode <ApprvlCd>	[0..1]	Text		469
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		469
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		469
	Rebates <Rbts>	[0..1]			469
	TotalRebate <TtlRbt>	[0..1]	Amount		470
	RebateLabel <RbtLbl>	[0..1]	Text		470
	SaleItemRebate <SaleItmRbt>	[0..*]			470
	SaleItem <SaleItm>	[1..1]	±		470
	RebateLabel <RbtLbl>	[0..1]	Text		471
	ReversedAmount <RvsdAmt>	[0..1]	Amount		471

11.4.2.4.4.9.1 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.9.2 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.9.3 PerformedTransaction <PrfrmdTx>

Presence: [0..*]

Definition: Performed transaction content.

PerformedTransaction <PrfrmdTx> contains the following **PerformedTransaction6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	±		462
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		463
	POITransactionIdentification <POITxId>	[0..1]	±		463
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		463
	PaymentResult <PmtRslt>	[0..1]	±		463
	LoyaltyResult <LltyRslt>	[0..*]			466
	Account <Acct>	[1..1]	±		467
	Amount <Amt>	[0..1]			468
	Unit <Unit>	[0..1]	CodeSet		468
	Currency <Ccy>	[0..1]	CodeSet	C1	468
	Amount <Amt>	[1..1]	Amount		468
	ServerData <SvrData>	[0..1]			468
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		469
	ApprovalCode <ApprvlCd>	[0..1]	Text		469
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		469
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		469
	Rebates <Rbts>	[0..1]			469
	TotalRebate <TtlRbt>	[0..1]	Amount		470
	RebateLabel <RbtLabl>	[0..1]	Text		470
	SaleItemRebate <SaleitmRbt>	[0..*]			470
	SaleItem <Saleitm>	[1..1]	±		470
	RebateLabel <RbtLabl>	[0..1]	Text		471
	ReversedAmount <RvsdAmt>	[0..1]	Amount		471

11.4.2.4.9.3.1 Response <Rspn>

Presence: [1..1]

Definition: Response for this performed transaction.

Response <Rspn> contains the following elements (see ["ResponseType11" on page 909](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

11.4.2.4.4.9.3.2 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Unique identification of a sale transaction.

SaleTransactionIdentification <SaleTxId> contains the following elements (see ["TransactionIdentifier1" on page 931](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.9.3.3 POITransactionIdentification <POITxId>

Presence: [0..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see ["TransactionIdentifier1" on page 931](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.9.3.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Identification of the POI reconciliation period.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.9.3.5 PaymentResult <PmtRslt>

Presence: [0..1]

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

PaymentResult <PmtRslt> contains the following elements (see "RetailerPaymentResult6" on page 764 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		767
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		768
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		769
	RequestedTransaction <ReqdTxx>	[0..1]	±		769
	TransactionResponse <TxRspn>	[0..1]			774
	AuthorisationResult <AuthstnRslt>	[1..1]			777
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		777
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			778
	Response <Rspn>	[1..1]	CodeSet		778
	ResponseReason <RspnRsn>	[0..1]	Text		778
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		778
	AuthorisationCode <AuthstnCd>	[0..1]	Text		778
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		778
	TMSTrigger <TMSTrggr>	[0..1]			779
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		779
	TMSIdentification <TMSId>	[0..1]	Text		779
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		779
	AllowedProductCode <AllwdPdctCd>	[0..*]			779
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		781
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		781
	AmountLimit <AmtLmt>	[0..1]	Amount		781
	QuantityLimit <QtyLmt>	[0..1]	Quantity		781
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		781
	Balance <Bal>	[0..1]	±		783

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedBalance <PrtctdBal>	[0..1]	±		783
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]	±		785
	RemoteAccess <RmotAccs>	[0..1]	±		786
	Retry <Rtry>	[0..1]	±		786
	TimeCondition <TmCond>	[0..1]	±		786
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			787
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		789
	TargetCurrency <TrgtCcy>	[1..1]			789
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	789
	NumericCode <NmrcCd>	[1..1]	Text		789
	Decimal <Dcml>	[1..1]	Quantity		789
	Name <Nm>	[0..1]	Text		790
	ResultingAmount <RsltAmt>	[0..1]	Amount		790
	ExchangeRate <XchgRate>	[1..1]	Rate		790
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		790
	QuotationDate <QtnDt>	[0..1]	DateTime		790
	ValidFrom <VldFr>	[0..1]	DateTime		790
	ValidUntil <VldUntil>	[0..1]	DateTime		790
	SourceCurrency <SrcCcy>	[1..1]			790
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	791
	NumericCode <NmrcCd>	[0..1]	Text		791
	Decimal <Dcml>	[0..1]	Quantity		791
	Name <Nm>	[0..1]	Text		791
	ApplicableBinRange <AplblBinRg>	[0..*]			791
	LowerBin <LwrBin>	[1..1]	Text		792
	HigherBin <HghrBin>	[1..1]	Text		792
	OriginalAmount <OrgnlAmt>	[0..1]			792
	ActualAmount <ActlAmt>	[0..1]	Amount		792
	MinimumAmount <MinAmt>	[0..1]	Amount		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumAmount <MaxAmt>	[0..1]	Amount		792
	CommissionDetails <ComssnDtls>	[0..*]			793
	Amount <Amt>	[1..1]	Amount		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	MarkUpDetails <MrkUpDtls>	[0..*]			793
	Rate <Rate>	[1..1]	Rate		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	DeclarationDetails <DclrtnDtls>	[0..*]	±		793
	CustomerOrder <CstmrOrdr>	[0..*]	±		794
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			795
	ImageFormat <ImgFrmt>	[1..1]	Text		795
	ImageData <ImgData>	[0..1]	Binary		795
	ImageReference <ImgRef>	[0..1]	Text		796
	AdditionalInformation <AddtlInf>	[0..1]	Text		796
	ProtectedCapturedSignature <PrctcdCaptrdSgntr>	[0..1]	±		796
	MerchantOverrideFlag <MrchntOvrrdFlg>	[0..1]	Indicator		796
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	796
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		796

11.4.2.4.4.9.3.6 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]	±		467
	Amount <Amt>	[0..1]			468
	Unit <Unit>	[0..1]	CodeSet		468
	Currency <Ccy>	[0..1]	CodeSet	C1	468
	Amount <Amt>	[1..1]	Amount		468
	ServerData <SvrData>	[0..1]			468
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		469
	ApprovalCode <ApprvlCd>	[0..1]	Text		469
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		469
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		469
	Rebates <Rbts>	[0..1]			469
	TotalRebate <TtlRbt>	[0..1]	Amount		470
	RebateLabel <RbtLbl>	[0..1]	Text		470
	SaleItemRebate <SaleItmRbt>	[0..*]			470
	SaleItem <SaleItm>	[1..1]	±		470
	RebateLabel <RbtLbl>	[0..1]	Text		471

11.4.2.4.4.9.3.6.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

11.4.2.4.4.9.3.6.2 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		468
	Currency <Ccy>	[0..1]	CodeSet	C1	468
	Amount <Amt>	[1..1]	Amount		468

11.4.2.4.4.9.3.6.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 1026

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

11.4.2.4.4.9.3.6.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1017**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.

11.4.2.4.4.9.3.6.2.3 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**11.4.2.4.4.9.3.6.3 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		469
	ApprovalCode <ApprvICd>	[0..1]	Text		469
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		469
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		469

11.4.2.4.4.9.3.6.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.9.3.6.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

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

Datatype: "Min6Max8Text" on page 1091

11.4.2.4.4.9.3.6.3.3 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.9.3.6.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.9.3.6.4 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		470
	RebateLabel <RbtLbl>	[0..1]	Text		470
	SaleItemRebate <SaleitmRbt>	[0..*]			470
	SaleItem <Saleitm>	[1..1]	±		470
	RebateLabel <RbtLbl>	[0..1]	Text		471

11.4.2.4.4.9.3.6.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.9.3.6.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.9.3.6.4.3 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]	±		470
	RebateLabel <RbtLbl>	[0..1]	Text		471

11.4.2.4.4.9.3.6.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <SaleItm> contains the following elements (see "Product6" on page 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

11.4.2.4.4.9.3.6.4.3.2 RebateLabel <RbtLabl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

11.4.2.4.4.9.3.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount of the payment or loyalty to reverse.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.4.10 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]	±		472
	POITransactionIdentification <POITxId>	[1..1]	±		472
	PaymentBrand <PmtBrnd>	[0..*]	Text		472
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	472
	LoyaltyAccount <LtyAcct>	[0..*]	±		473
	CustomerOrder <CstmrOrd>	[0..*]	±		473

11.4.2.4.4.10.1 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.10.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

11.4.2.4.4.10.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

Datatype: ["Max35Text"](#) on page 1088

11.4.2.4.4.10.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: [C7 "ValidationByTable"](#)

Datatype: "LanguageCode" on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

11.4.2.4.4.10.5 LoyaltyAccount <LtyAcct>

Presence: [0..*]

Definition: Loyalty account information.

LoyaltyAccount <LtyAcct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

11.4.2.4.4.10.6 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 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

11.4.2.4.4.11 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

11.4.2.4.4.12 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: [C6 "SupplementaryDataRule"](#)

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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.

11.4.2.5 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		477
	TransactionTotalsSet <TxTtlsSet>	[0..*]			477
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		479
	AcquirerIdentification <AcqrId>	[0..1]	Text		479
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		479
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		479
	Brand <Brnd>	[0..1]	Text		479
	POIIdentification <POIId>	[0..1]	Text		479
	SaleIdentification <SaleId>	[0..1]	Text		480
	CashierIdentification <CshrId>	[0..1]	Text		480
	ShiftNumber <ShftNb>	[0..1]	Text		480
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			480
	CommonName <CmonNm>	[1..1]	Text		480
	Address <Adr>	[0..1]	Text		480
	CountryCode <CtryCd>	[1..1]	CodeSet		480
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		481
	RegisteredIdentifier <RegIdr>	[1..1]	Text		481
	TransactionTotal <TxTtl>	[1..1]			481
	POIGroupIdentification <POIGrpId>	[0..1]	Text		481
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		481
	Currency <Ccy>	[0..1]	CodeSet	C1	481
	Type <Tp>	[1..1]	CodeSet		482
	TotalNumber <TtlNb>	[1..1]	Quantity		482
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		482
	DetailedAmount <DtldAmt>	[0..1]	±		482
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			483
	POIGroupIdentification <POIGrpId>	[0..1]	Text		483
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		483
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		484
	Currency <Ccy>	[0..1]	CodeSet	C1	484

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		484
	TotalNumber <TtlNb>	[1..1]	Quantity		484
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		485
	DetailedAmount <DtldAmt>	[0..1]	±		485

11.4.2.5.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1088

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		479
	AcquirerIdentification <Acqrrld>	[0..1]	Text		479
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		479
	SaleReconciliationIdentification <SaleRcncltnld>	[0..1]	Text		479
	Brand <Brnd>	[0..1]	Text		479
	POIIdentification <POIld>	[0..1]	Text		479
	SaleIdentification <Saleld>	[0..1]	Text		480
	CashierIdentification <Cshrlld>	[0..1]	Text		480
	ShiftNumber <ShftNb>	[0..1]	Text		480
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			480
	CommonName <CmonNm>	[1..1]	Text		480
	Address <Adr>	[0..1]	Text		480
	CountryCode <CtryCd>	[1..1]	CodeSet		480
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		481
	RegisteredIdentifier <Regldr>	[1..1]	Text		481
	TransactionTotal <TxTtl>	[1..1]			481
	POIGroupIdentification <POIGrpld>	[0..1]	Text		481
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		481
	Currency <Ccy>	[0..1]	CodeSet	C1	481
	Type <Tp>	[1..1]	CodeSet		482
	TotalNumber <TtlNb>	[1..1]	Quantity		482
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		482
	DetailedAmount <DtldAmt>	[0..1]	±		482
	LoyaltyTransactionTotal <LtyTxTtl>	[0..*]			483
	POIGroupIdentification <POIGrpld>	[0..1]	Text		483
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		483
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		484
	Currency <Ccy>	[0..1]	CodeSet	C1	484
	TransactionType <TxTp>	[1..1]	CodeSet		484
	TotalNumber <TtlNb>	[1..1]	Quantity		484
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		485

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DetailedAmount <DtldAmt>	[0..1]	±		485

11.4.2.5.2.1 PaymentInstrumentType <PmtInstrmTp>

Presence: [1..1]

Definition: Type of payment instrument.

Datatype: "PaymentInstrumentType1Code" on page 1055

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 1088

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 1088

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 1088

11.4.2.5.2.5 Brand <Brnd>

Presence: [0..1]

Definition: Brand of payment card or loyalty system.

Datatype: "Max35Text" on page 1088

11.4.2.5.2.6 POIIdentification <POIld>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 1088

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 1088**11.4.2.5.2.8 CashierIdentification <CshrId>***Presence:* [0..1]*Definition:* Identification of the cashier who carried out the transactions.*Datatype:* "Max35Text" on page 1088**11.4.2.5.2.9 ShiftNumber <ShftNb>***Presence:* [0..1]*Definition:* Identifies the shift of the cashier.*Datatype:* "Max2NumericText" on page 1087**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		480
	Address <Adr>	[0..1]	Text		480
	CountryCode <CtryCd>	[1..1]	CodeSet		480
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		481
	RegisteredIdentifier <RegIdr>	[1..1]	Text		481

11.4.2.5.2.10.1 CommonName <CmonNm>*Presence:* [1..1]*Definition:* Name of the merchant.*Datatype:* "Max70Text" on page 1090**11.4.2.5.2.10.2 Address <Adr>***Presence:* [0..1]*Definition:* Location of the merchant.*Datatype:* "Max140Text" on page 1086**11.4.2.5.2.10.3 CountryCode <CtryCd>***Presence:* [1..1]*Definition:* Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 1047

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 1091

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 1088

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
	POIGrouplIdentification <POIGrplId>	[0..1]	Text		481
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		481
	Currency <Ccy>	[0..1]	CodeSet	C1	481
	Type <Tp>	[1..1]	CodeSet		482
	TotalNumber <TtlNb>	[1..1]	Quantity		482
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		482
	DetailedAmount <DtldAmt>	[0..1]	±		482

11.4.2.5.2.11.1 POIGrouplIdentification <POIGrplId>

Presence: [0..1]

Definition: Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

Datatype: "Max35Text" on page 1088

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 1088

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 1017

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 1078

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 1084

11.4.2.5.2.11.6 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

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 705 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		705
	CashBack <CshBck>	[0..1]	Amount		705
	Gratuity <Grtty>	[0..1]	Amount		705
	Fees <Fees>	[0..*]	±		706
	Rebate <Rbt>	[0..*]	±		706
	ValueAddedTax <ValAddedTax>	[0..*]	±		706
	Surcharge <Srchr>	[0..*]	±		706

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
	POIGrouplIdentification <POIGrpld>	[0..1]	Text		483
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		483
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		484
	Currency <Ccy>	[0..1]	CodeSet	C1	484
	TransactionType <TxTp>	[1..1]	CodeSet		484
	TotalNumber <TtlNb>	[1..1]	Quantity		484
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		485
	DetailedAmount <DtldAmt>	[0..1]	±		485

11.4.2.5.2.12.1 POIGrouplIdentification <POIGrpld>

Presence: [0..1]

Definition: Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

Datatype: "[Max35Text](#)" on page 1088

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 1026

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 1088

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 1017

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 1050

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 1084

11.4.2.5.2.12.7 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

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 705 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		705
	CashBack <CshBck>	[0..1]	Amount		705
	Gratuity <Grtty>	[0..1]	Amount		705
	Fees <Fees>	[0..*]	±		706
	Rebate <Rbt>	[0..*]	±		706
	ValueAddedTax <ValAddedTax>	[0..*]	±		706
	Surcharge <Srchr>	[0..*]	±		706

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 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

11.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: C6 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "[ContentInformationType38](#)" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

12 **casp.011.001.06** **SaleToPOIAbortV06**

12.1 **MessageDefinition Functionality**

The SaleToPOIAbort message is sent by a sale system to abort process on POI.

Outline

The SaleToPOIAbortV06 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]			489
	MessageFunction <MsgFctn>	[1..1]	CodeSet		489
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		490
	Exchangeldentification <Xchgld>	[1..1]	Text		490
	CreationDateTime <CreDtTm>	[1..1]	DateTime		491
	InitiatingParty <InitgPty>	[1..1]	±		491
	RecipientParty <RcptPty>	[0..1]	±		491
	Traceability <Tracblt>	[0..*]	±		492
	Abort <Abrt>	[1..1]			492
	Environment <Envt>	[1..1]	±		493
	Context <Cntxt>	[1..1]	±		499
	SystemAbort <SysAbrt>	[1..1]			502
	Exchangeldentification <Xchgld>	[1..1]	Text		502
	AbortReason <AbrtRsn>	[1..1]	Text		502
	DisplayOutput <DispOutpt>	[0..1]	±		502
	TransactionSuccess <TxSucss>	[0..1]	Indicator		503
	SupplementaryData <SplmtryData>	[0..*]	±	C5	503
	SecurityTrailer <SctyTrlr>	[0..1]	±		504

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		489
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		490
	ExchangeIdentification <XchgId>	[1..1]	Text		490
	CreationDateTime <CreDtTm>	[1..1]	DateTime		491
	InitiatingParty <InitgPty>	[1..1]	±		491
	RecipientParty <RcptPty>	[0..1]	±		491
	Traceability <Tracblt>	[0..*]	±		492

12.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]
Definition: Identifies the type of process related to the message.
Datatype: "RetailerMessage1Code" on page 1062

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 1089

12.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

12.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

12.4.2 Abort <Abprt>

Presence: [1..1]

Definition: Information related to an abort request.

Abort <Abrt> contains the following **SystemAbort7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		493
	Context <Cntxt>	[1..1]	±		499
	SystemAbort <SysAbrt>	[1..1]			502
	Exchangeldentification <Xchgld>	[1..1]	Text		502
	AbortReason <AbrtRsn>	[1..1]	Text		502
	DisplayOutput <DispOutpt>	[0..1]	±		502
	TransactionSuccess <TxSucss>	[0..1]	Indicator		503
	SupplementaryData <SplmtryData>	[0..*]	±	C5	503

12.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <GrpId>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <CrdhldrId>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <DrvrId>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhdldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <Spltpmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

12.4.2.3 SystemAbort <SysAbrt>

Presence: [1..1]

Definition: Body of the Abort Request message.

SystemAbort <SysAbrt> contains the following **AbortData6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		502
	AbortReason <AbrtRsn>	[1..1]	Text		502
	DisplayOutput <DispOutpt>	[0..1]	±		502
	TransactionSuccess <TxSucss>	[0..1]	Indicator		503

12.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Message identifier.

Datatype: "Max35Text" on page 1088

12.4.2.3.2 AbortReason <AbrtRsn>

Presence: [1..1]

Definition: Reason of aborting a transaction.

Datatype: "Max140Text" on page 1086

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 "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrCdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrCdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

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 1083):

- *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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "ContentInformationType38" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

13 **casp.012.001.06**

SaleToPOIEventNotificationV06

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 SaleToPOIEventNotificationV06 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
	Message root <Document> <SaleToPOIEvtNtfctn>	[1..1]			
	Header <Hdr>	[1..1]			507
	MessageFunction <MsgFctn>	[1..1]	CodeSet		508
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		508
	ExchangeIdentification <XchgId>	[1..1]	Text		509
	CreationDateTime <CreDtTm>	[1..1]	DateTime		509
	InitiatingParty <InitgPty>	[1..1]	±		509
	RecipientParty <RcptPty>	[0..1]	±		509
	Traceability <Tracblt>	[0..*]	±		510
	EventNotification <EvtNtfctn>	[1..1]			510
	Environment <Envt>	[1..1]	±		511
	Context <Cntxt>	[1..1]	±		517
	EventNotification <EvtNtfctn>	[1..1]			520
	RetailerEvent <RtlrEvt>	[1..1]			520
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		521
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		521
	EventContext <EvtCntxt>	[0..1]			522
	ServiceType <SvcTp>	[1..1]	CodeSet		522
	ComponentIdentification <CmpntId>	[0..1]	±		525
	SaleIdentification <SaleId>	[0..1]	Text		527
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		527
	MaintenanceRequiredFlag <MntncReqrdFlg>	[0..1]	Indicator		527
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	528
	DisplayOutput <DispOutpt>	[0..1]	±		528
	SupplementaryData <SplmtryData>	[0..*]	±	C5	529
	SecurityTrailer <SctyTrlr>	[0..1]	±		529

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		508
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		508
	ExchangeIdentification <XchgId>	[1..1]	Text		509
	CreationDateTime <CreDtTm>	[1..1]	DateTime		509
	InitiatingParty <InitgPty>	[1..1]	±		509
	RecipientParty <RcptPty>	[0..1]	±		509
	Traceability <Tracblt>	[0..*]	±		510

13.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

13.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

13.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

13.4.2 EventNotification <EvtNtfctn>

Presence: [1..1]

Definition: Information related to the notification of an event.

EventNotification <EvtNtfctn> contains the following **SystemEventNotification7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		511
	Context <Cntxt>	[1..1]	±		517
	EventNotification <EvtNtfctn>	[1..1]			520
	RetailerEvent <RtlrEvt>	[1..1]			520
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		521
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		521
	EventContext <EvtCntxt>	[0..1]			522
	ServiceType <SvcTp>	[1..1]	CodeSet		522
	ComponentIdentification <CmpntId>	[0..1]	±		525
	SaleIdentification <SaleId>	[0..1]	Text		527
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		527
	MaintenanceRequiredFlag <MntncReqrdfg>	[0..1]	Indicator		527
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	528
	DisplayOutput <DispOutpt>	[0..1]	±		528
	SupplementaryData <SplmtryData>	[0..*]	±	C5	529

13.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment80](#)" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <GrpId>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <CrdhldrId>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <DrvrId>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrctdCrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrlId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

13.4.2.3 EventNotification <EvtNtfctn>

Presence: [1..1]

Definition: Content of the EventNotification message.

EventNotification <EvtNtfctn> contains the following **EventNotificationData6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetailerEvent <RtlrEvt>	[1..1]			520
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		521
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		521
	EventContext <EvtCntxt>	[0..1]			522
	ServiceType <SvcTp>	[1..1]	CodeSet		522
	ComponentIdentification <CmpntId>	[0..1]	±		525
	SaleIdentification <SaleId>	[0..1]	Text		527
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		527
	MaintenanceRequiredFlag <MntncReqrdFlg>	[0..1]	Indicator		527
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	528
	DisplayOutput <DispOutpt>	[0..1]	±		528

13.4.2.3.1 RetailerEvent <RtlrEvt>

Presence: [1..1]

Definition: Content of the Retailer Event message.

RetailerEvent <RtlrEvt> contains the following **RetailerEvent6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		521
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		521
	EventContext <EvtCntxt>	[0..1]			522
	ServiceType <SvcTp>	[1..1]	CodeSet		522
	ComponentIdentification <CmpntId>	[0..1]	±		525
	SaleIdentification <SaleId>	[0..1]	Text		527
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		527

13.4.2.3.1.1 EventTimeStamp <EvtTmStmp>*Presence:* [1..1]*Definition:* Date and time of the event.*Datatype:* "ISODatetime" on page 1081**13.4.2.3.1.2 EventToNotify <EvtToNtfy>***Presence:* [1..1]*Definition:* Event the POI notifies to the Sale System.*Datatype:* "EventToNotify2Code" on page 1042

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 **EventContext6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		522
	ComponentIdentification <CmpntId>	[0..1]	±		525
	SaleIdentification <SaleId>	[0..1]	Text		527

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 1064

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 "PointOfInteractionComponent15" on page 867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		869
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		870
	Identification <Id>	[1..1]			871
	ItemNumber <ItmNb>	[0..1]	Text		871
	ProviderIdentification <PrvdrId>	[0..1]	Text		871
	Identification <Id>	[0..1]	Text		871
	SerialNumber <SrlNb>	[0..1]	Text		871
	Status <Sts>	[0..1]			871
	VersionNumber <VrsnNb>	[0..1]	Text		872
	Status <Sts>	[0..1]	CodeSet		872
	ExpiryDate <XpryDt>	[0..1]	Date		872
	StandardCompliance <StdCmplc>	[0..*]			872
	Identification <Id>	[1..1]	Text		872
	Version <Vrsn>	[1..1]	Text		873
	Issuer <Issr>	[1..1]	Text		873
	Characteristics <Chrtcs>	[0..1]			873
	Memory <Mmry>	[0..*]			874
	Identification <Id>	[1..1]	Text		875
	TotalSize <TtlSz>	[1..1]	Quantity		875
	FreeSize <FreeSz>	[1..1]	Quantity		875
	Unit <Unit>	[1..1]	CodeSet		875
	Communication <Com>	[0..*]			875
	CommunicationType <ComTp>	[1..1]	CodeSet		876
	RemoteParty <RmotPty>	[1..*]	CodeSet		877
	Active <Actv>	[1..1]	Indicator		877
	Parameters <Params>	[0..1]	±		877
	PhysicalInterface <PhysIntrfc>	[0..1]			878
	InterfaceName <IntrfcNm>	[1..1]	Text		878
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		878
	UserName <UsrNm>	[0..1]	Text		879

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		879
	SecurityProfile <SctyPrfl>	[0..1]	Text		879
	AdditionalParameters <AddtlParams>	[0..1]	Binary		879
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		880
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		880
	SecurityElement <SctyElmt>	[0..*]	±		880
	Assessment <Assmnt>	[0..*]			881
	Type <Tp>	[1..1]	CodeSet		882
	Assigner <Assgnr>	[1..*]	Text		882
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		882
	ExpirationDate <XprtnDt>	[0..1]	DateTime		882
	Number <Nb>	[1..1]	Text		882
	Package <Packg>	[0..*]			883
	PackageIdentification <PackgId>	[0..1]	±		883
	PackageLength <PackgLngh>	[0..1]	Quantity		883
	OffsetStart <OffsetStart>	[0..1]	Quantity		883
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		884
	PackageBlock <PackgBlck>	[0..*]			884
	Identification <Id>	[1..1]	Text		884
	Value <Val>	[0..1]	Binary		884
	ProtectedValue <PrctcdVal>	[0..1]	±		884
	Type <Tp>	[0..1]	Text		885

13.4.2.3.1.3.3 SaleIdentification <SaleId>

Presence: [0..1]

Definition: Identification of the Sale System.

Datatype: "Max35Text" on page 1088

13.4.2.3.1.4 AdditionalEventInformation <AddtlEvtInf>

Presence: [0..1]

Definition: Additional Information according to the event type.

Datatype: "Max1025Text" on page 1085

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 1083):

- *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 1048

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 ["ActionMessage11"](#) on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstr>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "[ContentInformationType38](#)" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

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
	Message root <Document> <SaleToPOIMsgRjctn>	[1..1]			
	Header <Hdr>	[1..1]			531
	MessageFunction <MsgFctn>	[1..1]	CodeSet		531
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		532
	ExchangeIdentification <XchgId>	[1..1]	Text		532
	CreationDateTime <CreDtTm>	[1..1]	DateTime		532
	InitiatingParty <InitgPty>	[1..1]	±		532
	RecipientParty <RcptPty>	[0..1]	±		533
	Traceability <Tracblt>	[0..*]	±		534
	Reject <Rjct>	[1..1]			534
	RejectReason <RjctRsn>	[1..1]	CodeSet		535
	AdditionalInformation <AddtlInf>	[0..1]	Text		535
	MessageInError <MsgInErr>	[0..1]	Binary		535

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		531
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		532
	ExchangeIdentification <Xchgld>	[1..1]	Text		532
	CreationDateTime <CreDtTm>	[1..1]	DateTime		532
	InitiatingParty <InitgPty>	[1..1]	±		532
	RecipientParty <RcptPty>	[0..1]	±		533
	Traceability <Tracblt>	[0..*]	±		534

14.3.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

14.3.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

14.3.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODatetime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

14.3.2 Reject <Rjct>

Presence: [1..1]

Definition: Information related to the reject.

Reject <Rjct> contains the following **AcceptorRejection2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RejectReason <RjctRsn>	[1..1]	CodeSet		535
	AdditionalInformation <AddtlInf>	[0..1]	Text		535
	MessageInError <MsgInErr>	[0..1]	Binary		535

14.3.2.1 RejectReason <RjctRsn>

Presence: [1..1]

Definition: Reject reason of the request or the advice.

Datatype: "RejectReason1Code" on page 1060

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.

14.3.2.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information related to the reject of the exchange.

Datatype: "Max500Text" on page 1089

14.3.2.3 MessageInError <MsgInErr>

Presence: [0..1]

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

Datatype: "Max100KBinary" on page 1014

15 **casp.014.001.06**

SaleToPOIMessageStatusRequestV06

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 SaleToPOIMessageStatusRequestV06 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]			538
	MessageFunction <MsgFctn>	[1..1]	CodeSet		538
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		539
	Exchangeldentification <Xchgld>	[1..1]	Text		539
	CreationDateTime <CreDtTm>	[1..1]	DateTime		540
	InitiatingParty <InitgPty>	[1..1]	±		540
	RecipientParty <RcptPty>	[0..1]	±		540
	Traceability <Tracblt>	[0..*]	±		541
	StatusRequest <StsReq>	[1..1]			541
	Environment <Envt>	[1..1]	±		542
	Context <Cntxt>	[1..1]	±		548
	MessageStatusRequestData <MsgStsReqData>	[1..1]			551
	Exchangeldentification <Xchgld>	[1..1]	Text		551
	InitiatingParty <InitgPty>	[1..1]	±		551
	ReceiptReprintFlag <RctRprntFlg>	[0..1]	Indicator		552
	DocumentQualifier <DocQlfr>	[0..2]	CodeSet		552
	SupplementaryData <SplmtryData>	[0..*]	±	C5	553
	SecurityTrailer <SctyTrlr>	[0..1]	±		553

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		538
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		539
	ExchangeIdentification <XchgId>	[1..1]	Text		539
	CreationDateTime <CreDtTm>	[1..1]	DateTime		540
	InitiatingParty <InitgPty>	[1..1]	±		540
	RecipientParty <RcptPty>	[0..1]	±		540
	Traceability <Tracblt>	[0..*]	±		541

15.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]
Definition: Identifies the type of process related to the message.
Datatype: "RetailerMessage1Code" on page 1062

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 1089

15.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

15.4.1.4 CreationDateTime <CreDtTm>*Presence:* [1..1]*Definition:* Date and time at which the message was created.*Datatype:* "ISODateTime" on page 1081**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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

15.4.2 StatusRequest <StsReq>

Presence: [1..1]

Definition: Information related to a status request.

StatusRequest <StsReq> contains the following **MessageStatusRequest7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		542
	Context <Cntxt>	[1..1]	±		548
	MessageStatusRequestData <MsgStsReqData>	[1..1]			551
	ExchangeIdentification <Xchgld>	[1..1]	Text		551
	InitiatingParty <InitgPty>	[1..1]	±		551
	ReceiptReprintFlag <RctRprntFlg>	[0..1]	Indicator		552
	DocumentQualifier <DocQlfr>	[0..2]	CodeSet		552
	SupplementaryData <SplmtryData>	[0..*]	±	C5	553

15.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment80](#)" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhdldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcnclnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

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		551
	InitiatingParty <InitgPty>	[1..1]	±		551
	ReceiptReprintFlag <RctRprntFlg>	[0..1]	Indicator		552
	DocumentQualifier <DocQlfr>	[0..2]	CodeSet		552

15.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Transaction identification.

Datatype: "Max35Text" on page 1088

15.4.2.3.2 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Initiating Party information.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 1083):

- *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 1042

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "ContentInformationType38" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

16 casp.015.001.06

SaleToPOIMessageStatusResponseV06

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 SaleToPOIMessageStatusResponseV06 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]			559
	MessageFunction <MsgFctn>	[1..1]	CodeSet		559
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		560
	ExchangeIdentification <XchgId>	[1..1]	Text		560
	CreationDateTime <CreDtTm>	[1..1]	DateTime		561
	InitiatingParty <InitgPty>	[1..1]	±		561
	RecipientParty <RcptPty>	[0..1]	±		561
	Traceability <Tracblt>	[0..*]	±		562
	StatusResponse <StsRspn>	[1..1]			562
	Environment <Envt>	[1..1]	±		566
	Context <Cntxt>	[1..1]	±		572
	MessageStatusResponseData <MsgStsRspnData>	[1..1]			575
	ExchangeIdentification <XchgId>	[1..1]	Text		579
	InitiatingParty <InitgPty>	[1..1]	±		579
	TransactionResponse <TxRspn>	[1..1]	±		579
	RepeatedLoyaltyResponse <RepeatdLltyRspn>	[0..1]			580
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		581
	POITransactionIdentification <POITxId>	[1..1]	±		581
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		581
	Result <Rslt>	[0..*]			581
	Account <Acct>	[1..1]	±		582
	Amount <Amt>	[0..1]			583
	Unit <Unit>	[0..1]	CodeSet		583
	Currency <Ccy>	[0..1]	CodeSet	C1	583
	Amount <Amt>	[1..1]	Amount		583
	ServerData <SvrData>	[0..1]			583
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		584
	ApprovalCode <ApprvlCd>	[0..1]	Text		584
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		584

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		584
	Rebates <Rbts>	[0..1]			584
	TotalRebate <TtlRbt>	[0..1]	Amount		585
	RebateLabel <RbtLbl>	[0..1]	Text		585
	SaleItemRebate <SaleItmRbt>	[0..*]			585
	SaleItem <SaleItm>	[1..1]	±		585
	RebateLabel <RbtLbl>	[0..1]	Text		586
	RepeatedPaymentResponse <RepeatdPmtRspn>	[0..1]			586
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		587
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		588
	POITransactionIdentification <POITxId>	[1..1]	±		588
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		588
	IssuerReferenceData <IssrRefData>	[0..1]	Text		588
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		588
	PaymentReceipt <PmtRct>	[0..*]	±		591
	LoyaltyResult <LtyRslt>	[0..*]			591
	Account <Acct>	[1..1]	±		592
	Amount <Amt>	[0..1]			593
	Unit <Unit>	[0..1]	CodeSet		593
	Currency <Ccy>	[0..1]	CodeSet	C1	593
	Amount <Amt>	[1..1]	Amount		593
	ServerData <SvrData>	[0..1]			593
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		594
	ApprovalCode <ApprvlCd>	[0..1]	Text		594
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		594
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		594
	Rebates <Rbts>	[0..1]			594
	TotalRebate <TtlRbt>	[0..1]	Amount		595
	RebateLabel <RbtLbl>	[0..1]	Text		595
	SaleItemRebate <SaleItmRbt>	[0..*]			595
	SaleItem <SaleItm>	[1..1]	±		595

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RebateLabel <RbtLbl>	[0..1]	Text		596
	CustomerOrder <CstmrOrd>	[0..*]	±		596
	RepeatedReversalResponse <RepeatdRvslRspn>	[0..1]			597
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		597
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		598
	POITransactionIdentification <POITxId>	[1..1]	±		598
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		598
	IssuerReferenceData <IssrRefData>	[0..1]	Text		598
	ReversalTransactionResult <RvslTxRslt>	[1..1]			598
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		599
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		599
	CustomerOrder <CstmrOrd>	[0..*]	±		604
	ReversedAmount <RvslAmt>	[0..1]	Amount		604
	Receipt <Rct>	[0..*]	±		604
	RepeatedStoredValueResponse <RepeatdStordValRspn>	[0..1]			605
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		606
	POITransactionIdentification <POITxId>	[1..1]	±		607
	Result <Rslt>	[0..*]			607
	Provider <Prvdr>	[0..1]	Text		608
	TransactionType <TxTp>	[1..1]	CodeSet		608
	AccountIdentification <AcctId>	[0..1]			609
	AccountType <AcctTp>	[0..1]	CodeSet		609
	IdentificationType <IdTp>	[0..1]	CodeSet		610
	Identification <Id>	[0..1]	Text		610
	Brand <Brnd>	[0..1]	Text		611
	Provider <Prvdr>	[0..1]	Text		611
	OwnerName <OwnrNm>	[0..1]	Text		611
	ExpiryDate <XpryDt>	[0..1]	Text		611
	EntryMode <NtryMd>	[0..1]	CodeSet		611
	Currency <Ccy>	[0..1]	CodeSet	C1	612
	Balance <Bal>	[0..1]	Amount		612

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		612
	ProductCode <PdctCd>	[0..1]	Text		617
	EANUPC <EANUPC>	[0..1]	Text		617
	ItemAmount <ItmAmt>	[0..1]	Amount		617
	Currency <Ccy>	[0..1]	CodeSet	C1	617
	HostTransactionIdentification <HstTxId>	[0..1]	±		618
	Receipt <Rct>	[0..*]	±		618
	RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn>	[0..1]			618
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		618
	POITransactionIdentification <POITxId>	[1..1]	±		619
	PaymentBrand <PmtBrnd>	[0..*]	Text		619
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	619
	LoyaltyAccount <LltyAcct>	[0..*]	±		619
	CustomerOrder <CstmrOrdr>	[0..*]	±		620
	RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RpeatdSndApplPrtcolDataUnitCardRdrRspn>	[0..1]			620
	Data <Data>	[0..1]	Binary		621
	CardStatus <CardSts>	[1..1]	Binary		621
	Response <Rspn>	[1..1]	±		621
	SupplementaryData <SplmtryData>	[0..*]	±	C6	621
	SecurityTrailer <SctyTrlr>	[0..1]	±		622

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

CurrencyAmount

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.
- C5

IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.
- C6

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.
- C7

ValidationByTable

Must be a valid terrestrial language.

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		559
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		560
	ExchangeIdentification <XchgId>	[1..1]	Text		560
	CreationDateTime <CreDtTm>	[1..1]	DateTime		561
	InitiatingParty <InitgPty>	[1..1]	±		561
	RecipientParty <RcptPty>	[0..1]	±		561
	Traceability <Tracblt>	[0..*]	±		562

16.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]
Definition: Identifies the type of process related to the message.
Datatype: "RetailerMessage1Code" on page 1062

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 1089

16.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

16.4.1.4 CreationDate <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

16.4.2 StatusResponse <StsRspn>

Presence: [1..1]

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

StatusResponse <StsRspn> contains the following **MessageStatusResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envnt>	[1..1]	±		566
	Context <Cntxt>	[1..1]	±		572
	MessageStatusResponseData <MsgStsRspnData>	[1..1]			575
	ExchangeIdentification <Xchgld>	[1..1]	Text		579
	InitiatingParty <InitgPty>	[1..1]	±		579
	TransactionResponse <TxRspn>	[1..1]	±		579
	RepeatedLoyaltyResponse <RepeatdLltyRspn>	[0..1]			580
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		581
	POITransactionIdentification <POITxld>	[1..1]	±		581
	POIReconciliationIdentification <POIRcnclnld>	[0..1]	Text		581
	Result <Rslt>	[0..*]			581
	Account <Acct>	[1..1]	±		582
	Amount <Amt>	[0..1]			583
	Unit <Unit>	[0..1]	CodeSet		583
	Currency <Ccy>	[0..1]	CodeSet	C1	583
	Amount <Amt>	[1..1]	Amount		583
	ServerData <SvrData>	[0..1]			583
	LoyaltyServerIdentification <LltySvrld>	[0..1]	Text		584
	ApprovalCode <ApprvICd>	[0..1]	Text		584
	LoyaltyTransactionIdentification <LltyTxld>	[0..1]	±		584
	HostReconciliationIdentification <HstRcnclnld>	[0..1]	Text		584
	Rebates <Rbts>	[0..1]			584
	TotalRebate <TtlRbt>	[0..1]	Amount		585
	RebateLabel <RbtLabl>	[0..1]	Text		585
	SaleItemRebate <SaleitmRbt>	[0..*]			585
	SaleItem <Saleitm>	[1..1]	±		585
	RebateLabel <RbtLabl>	[0..1]	Text		586
	RepeatedPaymentResponse <RepeatdPmtRspn>	[0..1]			586
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		587
	SaleReferenceIdentification <SaleRefld>	[0..1]	Text		588
	POITransactionIdentification <POITxld>	[1..1]	±		588

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		588
	IssuerReferenceData <IssrRefData>	[0..1]	Text		588
	RetailerPaymentResult <RtlrPmtRsIt>	[1..1]	±		588
	PaymentReceipt <PmtRct>	[0..*]	±		591
	LoyaltyResult <LltyRsIt>	[0..*]			591
	Account <Acct>	[1..1]	±		592
	Amount <Amt>	[0..1]			593
	Unit <Unit>	[0..1]	CodeSet		593
	Currency <Ccy>	[0..1]	CodeSet	C1	593
	Amount <Amt>	[1..1]	Amount		593
	ServerData <SvrData>	[0..1]			593
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		594
	ApprovalCode <ApprvICd>	[0..1]	Text		594
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		594
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		594
	Rebates <Rbts>	[0..1]			594
	TotalRebate <TtlRbt>	[0..1]	Amount		595
	RebateLabel <RbtLabl>	[0..1]	Text		595
	SaleItemRebate <SaleItmRbt>	[0..*]			595
	SaleItem <SaleItm>	[1..1]	±		595
	RebateLabel <RbtLabl>	[0..1]	Text		596
	CustomerOrder <CstmrOrd>	[0..*]	±		596
	RepeatedReversalResponse <RepeatdRvsIRspn>	[0..1]			597
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		597
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		598
	POITransactionIdentification <POITxId>	[1..1]	±		598
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		598
	IssuerReferenceData <IssrRefData>	[0..1]	Text		598
	ReversalTransactionResult <RvsITxRsIt>	[1..1]			598
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		599
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		599

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..*]	±		604
	ReversedAmount <RvsdAmt>	[0..1]	Amount		604
	Receipt <Rct>	[0..*]	±		604
	RepeatedStoredValueResponse <RpeatdStordValRspn>	[0..1]			605
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		606
	POITransactionIdentification <POITxId>	[1..1]	±		607
	Result <Rslt>	[0..*]			607
	Provider <Prvdr>	[0..1]	Text		608
	TransactionType <TxTp>	[1..1]	CodeSet		608
	AccountIdentification <AcctId>	[0..1]			609
	AccountType <AcctTp>	[0..1]	CodeSet		609
	IdentificationType <IdTp>	[0..1]	CodeSet		610
	Identification <Id>	[0..1]	Text		610
	Brand <Brnd>	[0..1]	Text		611
	Provider <Prvdr>	[0..1]	Text		611
	OwnerName <OwnrNm>	[0..1]	Text		611
	ExpiryDate <XpryDt>	[0..1]	Text		611
	EntryMode <NtryMd>	[0..1]	CodeSet		611
	Currency <Ccy>	[0..1]	CodeSet	C1	612
	Balance <Bal>	[0..1]	Amount		612
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		612
	ProductCode <PdctCd>	[0..1]	Text		617
	EANUPC <EANUPC>	[0..1]	Text		617
	ItemAmount <ItmAmt>	[0..1]	Amount		617
	Currency <Ccy>	[0..1]	CodeSet	C1	617
	HostTransactionIdentification <HstTxId>	[0..1]	±		618
	Receipt <Rct>	[0..*]	±		618
	RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn>	[0..1]			618
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		618
	POITransactionIdentification <POITxId>	[1..1]	±		619
	PaymentBrand <PmtBrnd>	[0..*]	Text		619

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	619
	LoyaltyAccount <LltyAcct>	[0..*]	±		619
	CustomerOrder <CstmrOrd>	[0..*]	±		620
	RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RepeatdSndApplPrtcolDataUnitCardRdrRspn>	[0..1]			620
	Data <Data>	[0..1]	Binary		621
	CardStatus <CardSts>	[1..1]	Binary		621
	Response <Rspn>	[1..1]	±		621
	SupplementaryData <SplmtryData>	[0..*]	±	C6	621

16.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <GrpId>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <Drvrld>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctcdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhdldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

16.4.2.3 MessageStatusResponseData <MsgStsRspnData>

Presence: [1..1]

Definition: Content of the Message status Response.

MessageStatusResponseData <MsgStsRspnData> contains the following
MessageStatusResponseData8 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		579
	InitiatingParty <InitgPty>	[1..1]	±		579
	TransactionResponse <TxRspn>	[1..1]	±		579
	RepeatedLoyaltyResponse <RepeatdLltyRspn>	[0..1]			580
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		581
	POITransactionIdentification <POITxId>	[1..1]	±		581
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		581
	Result <Rslt>	[0..*]			581
	Account <Acct>	[1..1]	±		582
	Amount <Amt>	[0..1]			583
	Unit <Unit>	[0..1]	CodeSet		583
	Currency <Ccy>	[0..1]	CodeSet	C1	583
	Amount <Amt>	[1..1]	Amount		583
	ServerData <SvrData>	[0..1]			583
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		584
	ApprovalCode <ApprvICd>	[0..1]	Text		584
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		584
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		584
	Rebates <Rbts>	[0..1]			584
	TotalRebate <TtlRbt>	[0..1]	Amount		585
	RebateLabel <RbtLbl>	[0..1]	Text		585
	SaleItemRebate <SaleItmRbt>	[0..*]			585
	SaleItem <SaleItm>	[1..1]	±		585
	RebateLabel <RbtLbl>	[0..1]	Text		586
	RepeatedPaymentResponse <RepeatdPmtRspn>	[0..1]			586
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		587
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		588
	POITransactionIdentification <POITxId>	[1..1]	±		588
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		588
	IssuerReferenceData <IssrRefData>	[0..1]	Text		588

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		588
	PaymentReceipt <PmtRct>	[0..*]	±		591
	LoyaltyResult <LltyRslt>	[0..*]			591
	Account <Acct>	[1..1]	±		592
	Amount <Amt>	[0..1]			593
	Unit <Unit>	[0..1]	CodeSet		593
	Currency <Ccy>	[0..1]	CodeSet	C1	593
	Amount <Amt>	[1..1]	Amount		593
	ServerData <SvrData>	[0..1]			593
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		594
	ApprovalCode <ApprvlCd>	[0..1]	Text		594
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		594
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		594
	Rebates <Rbts>	[0..1]			594
	TotalRebate <TtlRbt>	[0..1]	Amount		595
	RebateLabel <RbtLbl>	[0..1]	Text		595
	SaleItemRebate <SaleItmRbt>	[0..*]			595
	SaleItem <SaleItm>	[1..1]	±		595
	RebateLabel <RbtLbl>	[0..1]	Text		596
	CustomerOrder <CstmrOrdr>	[0..*]	±		596
	RepeatedReversalResponse <RpeatdRvslRspn>	[0..1]			597
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		597
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		598
	POITransactionIdentification <POITxId>	[1..1]	±		598
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		598
	IssuerReferenceData <IssrRefData>	[0..1]	Text		598
	ReversalTransactionResult <RvslTxRslt>	[1..1]			598
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		599
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		599
	CustomerOrder <CstmrOrdr>	[0..*]	±		604
	ReversedAmount <RvsdAmt>	[0..1]	Amount		604

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Receipt <Rct>	[0..*]	±		604
	RepeatedStoredValueResponse <RpeatdStordValRspn>	[0..1]			605
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		606
	POITransactionIdentification <POITxId>	[1..1]	±		607
	Result <Rslt>	[0..*]			607
	Provider <Prvdr>	[0..1]	Text		608
	TransactionType <TxTp>	[1..1]	CodeSet		608
	AccountIdentification <AcctId>	[0..1]			609
	AccountType <AcctTp>	[0..1]	CodeSet		609
	IdentificationType <IdTp>	[0..1]	CodeSet		610
	Identification <Id>	[0..1]	Text		610
	Brand <Brnd>	[0..1]	Text		611
	Provider <Prvdr>	[0..1]	Text		611
	OwnerName <OwnrNm>	[0..1]	Text		611
	ExpiryDate <XpryDt>	[0..1]	Text		611
	EntryMode <NtryMd>	[0..1]	CodeSet		611
	Currency <Ccy>	[0..1]	CodeSet	C1	612
	Balance <Bal>	[0..1]	Amount		612
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		612
	ProductCode <PdctCd>	[0..1]	Text		617
	EANUPC <EANUPC>	[0..1]	Text		617
	ItemAmount <ItmAmt>	[0..1]	Amount		617
	Currency <Ccy>	[0..1]	CodeSet	C1	617
	HostTransactionIdentification <HstTxId>	[0..1]	±		618
	Receipt <Rct>	[0..*]	±		618
	RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn>	[0..1]			618
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		618
	POITransactionIdentification <POITxId>	[1..1]	±		619
	PaymentBrand <PmtBrnd>	[0..*]	Text		619
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	619
	LoyaltyAccount <LtyAcct>	[0..*]	±		619

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..*]	±		620
	RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RepeatdSndApplPrtcolDataUnitCardRdrRspn>	[0..1]			620
	Data <Data>	[0..1]	Binary		621
	CardStatus <CardSts>	[1..1]	Binary		621

16.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Identification of the requested previous message.

Datatype: "Max35Text" on page 1088

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

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]	±		581
	POITransactionIdentification <POITxId>	[1..1]	±		581
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		581
	Result <Rslt>	[0..*]			581
	Account <Acct>	[1..1]	±		582
	Amount <Amt>	[0..1]			583
	Unit <Unit>	[0..1]	CodeSet		583
	Currency <Ccy>	[0..1]	CodeSet	C1	583
	Amount <Amt>	[1..1]	Amount		583
	ServerData <SvrData>	[0..1]			583
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		584
	ApprovalCode <ApprvlCd>	[0..1]	Text		584
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		584
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		584
	Rebates <Rbts>	[0..1]			584
	TotalRebate <TtlRbt>	[0..1]	Amount		585
	RebateLabel <RbtLabl>	[0..1]	Text		585
	SaleItemRebate <SaleItmRbt>	[0..*]			585
	SaleItem <SaleItm>	[1..1]	±		585
	RebateLabel <RbtLabl>	[0..1]	Text		586

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088**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]	±		582
	Amount <Amt>	[0..1]			583
	Unit <Unit>	[0..1]	CodeSet		583
	Currency <Ccy>	[0..1]	CodeSet	C1	583
	Amount <Amt>	[1..1]	Amount		583
	ServerData <SvrData>	[0..1]			583
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		584
	ApprovalCode <ApprvICd>	[0..1]	Text		584
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		584
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		584
	Rebates <Rbts>	[0..1]			584
	TotalRebate <TtlRbt>	[0..1]	Amount		585
	RebateLabel <RbtLbl>	[0..1]	Text		585
	SaleItemRebate <SaleItmRbt>	[0..*]			585
	SaleItem <SaleItm>	[1..1]	±		585
	RebateLabel <RbtLbl>	[0..1]	Text		586

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		583
	Currency <Ccy>	[0..1]	CodeSet	C1	583
	Amount <Amt>	[1..1]	Amount		583

16.4.2.3.4.4.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* "AmountUnit1Code" on page 1026

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 1017**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 1013**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		584
	ApprovalCode <ApprvICd>	[0..1]	Text		584
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		584
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		584

16.4.2.3.4.4.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 1088

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 1091

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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		585
	RebateLabel <RbtLbl>	[0..1]	Text		585
	SaleItemRebate <SaleitmRbt>	[0..*]			585
	SaleItem <Saleitm>	[1..1]	±		585
	RebateLabel <RbtLbl>	[0..1]	Text		586

16.4.2.3.4.4.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

16.4.2.3.4.4.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

16.4.2.3.4.4.4.3 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]	±		585
	RebateLabel <RbtLbl>	[0..1]	Text		586

16.4.2.3.4.4.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

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 1088

16.4.2.3.5 RepeatedPaymentResponse <RepeatdPmtRspn>

Presence: [0..1]

Definition: Content of the requested Payment Message Response.

RepeatedPaymentResponse <RpeatdPmtRspn> contains the following **PaymentResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		587
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		588
	POITransactionIdentification <POITxId>	[1..1]	±		588
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		588
	IssuerReferenceData <IssrRefData>	[0..1]	Text		588
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		588
	PaymentReceipt <PmtRct>	[0..*]	±		591
	LoyaltyResult <LltyRslt>	[0..*]			591
	Account <Acct>	[1..1]	±		592
	Amount <Amt>	[0..1]			593
	Unit <Unit>	[0..1]	CodeSet		593
	Currency <Ccy>	[0..1]	CodeSet	C1	593
	Amount <Amt>	[1..1]	Amount		593
	ServerData <SvrData>	[0..1]			593
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		594
	ApprovalCode <ApprvlCd>	[0..1]	Text		594
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		594
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		594
	Rebates <Rbts>	[0..1]			594
	TotalRebate <TtlRbt>	[0..1]	Amount		595
	RebateLabel <RbtLabl>	[0..1]	Text		595
	SaleItemRebate <SaleItmRbt>	[0..*]			595
	SaleItem <SaleItm>	[1..1]	±		595
	RebateLabel <RbtLabl>	[0..1]	Text		596
	CustomerOrder <CstmrOrd>	[0..*]	±		596

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

16.4.2.3.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 1086

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 "RetailerPaymentResult6" on page 764 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		767
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		768
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		769
	RequestedTransaction <ReqdTxx>	[0..1]	±		769
	TransactionResponse <TxRspn>	[0..1]			774
	AuthorisationResult <AuthstnRslt>	[1..1]			777
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		777
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			778
	Response <Rspn>	[1..1]	CodeSet		778
	ResponseReason <RspnRsn>	[0..1]	Text		778
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		778
	AuthorisationCode <AuthstnCd>	[0..1]	Text		778
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		778
	TMSTrigger <TMSTrggr>	[0..1]			779
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		779
	TMSIdentification <TMSId>	[0..1]	Text		779
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		779
	AllowedProductCode <AllwdPdctCd>	[0..*]			779
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		781
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		781
	AmountLimit <AmtLmt>	[0..1]	Amount		781
	QuantityLimit <QtyLmt>	[0..1]	Quantity		781
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		781
	Balance <Bal>	[0..1]	±		783

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedBalance <PrtctdBal>	[0..1]	±		783
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]	±		785
	RemoteAccess <RmotAccs>	[0..1]	±		786
	Retry <Rtry>	[0..1]	±		786
	TimeCondition <TmCond>	[0..1]	±		786
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			787
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		789
	TargetCurrency <TrgtCcy>	[1..1]			789
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	789
	NumericCode <NmrcCd>	[1..1]	Text		789
	Decimal <Dcml>	[1..1]	Quantity		789
	Name <Nm>	[0..1]	Text		790
	ResultingAmount <RsltgtAmt>	[0..1]	Amount		790
	ExchangeRate <XchgRate>	[1..1]	Rate		790
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		790
	QuotationDate <QtnDt>	[0..1]	DateTime		790
	ValidFrom <VldFr>	[0..1]	DateTime		790
	ValidUntil <VldUntil>	[0..1]	DateTime		790
	SourceCurrency <SrcCcy>	[1..1]			790
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	791
	NumericCode <NmrcCd>	[0..1]	Text		791
	Decimal <Dcml>	[0..1]	Quantity		791
	Name <Nm>	[0..1]	Text		791
	ApplicableBinRange <AplblBinRg>	[0..*]			791
	LowerBin <LwrBin>	[1..1]	Text		792
	HigherBin <HghrBin>	[1..1]	Text		792
	OriginalAmount <OrgnlAmt>	[0..1]			792
	ActualAmount <ActlAmt>	[0..1]	Amount		792
	MinimumAmount <MinAmt>	[0..1]	Amount		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumAmount <MaxAmt>	[0..1]	Amount		792
	CommissionDetails <ComssnDtls>	[0..*]			793
	Amount <Amt>	[1..1]	Amount		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	MarkUpDetails <MrkUpDtls>	[0..*]			793
	Rate <Rate>	[1..1]	Rate		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	DeclarationDetails <DclrtnDtls>	[0..*]	±		793
	CustomerOrder <CstmrOrdr>	[0..*]	±		794
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			795
	ImageFormat <ImgFrmt>	[1..1]	Text		795
	ImageData <ImgData>	[0..1]	Binary		795
	ImageReference <ImgRef>	[0..1]	Text		796
	AdditionalInformation <AddtlInf>	[0..1]	Text		796
	ProtectedCapturedSignature <PrctcdCaptrdSgntr>	[0..1]	±		796
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		796
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	796
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		796

16.4.2.3.5.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

16.4.2.3.5.8 LoyaltyResult <LtyRslt>

Presence: [0..*]

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

LoyaltyResult <LtyRslt> contains the following **LoyaltyResult3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Account <Acct>	[1..1]	±		592
	Amount <Amt>	[0..1]			593
	Unit <Unit>	[0..1]	CodeSet		593
	Currency <Ccy>	[0..1]	CodeSet	C1	593
	Amount <Amt>	[1..1]	Amount		593
	ServerData <SvrData>	[0..1]			593
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		594
	ApprovalCode <ApprvlCd>	[0..1]	Text		594
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		594
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		594
	Rebates <Rbts>	[0..1]			594
	TotalRebate <TtlRbt>	[0..1]	Amount		595
	RebateLabel <RbtLbl>	[0..1]	Text		595
	SaleItemRebate <SaleItmRbt>	[0..*]			595
	SaleItem <SaleItm>	[1..1]	±		595
	RebateLabel <RbtLbl>	[0..1]	Text		596

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 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

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		593
	Currency <Ccy>	[0..1]	CodeSet	C1	593
	Amount <Amt>	[1..1]	Amount		593

16.4.2.3.5.8.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 1026

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 1017

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 1013

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		594
	ApprovalCode <ApprvICd>	[0..1]	Text		594
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		594
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		594

16.4.2.3.5.8.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 1088

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 1091

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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		595
	RebateLabel <RbtLbl>	[0..1]	Text		595
	SaleItemRebate <SaleitmRbt>	[0..*]			595
	SaleItem <Saleitm>	[1..1]	±		595
	RebateLabel <RbtLbl>	[0..1]	Text		596

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 1013

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 1088

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]	±		595
	RebateLabel <RbtLbl>	[0..1]	Text		596

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 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

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 1088

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 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

16.4.2.3.6 RepeatedReversalResponse <RpeatdRvslRspn>

Presence: [0..1]

Definition: Content of the requested Reversal Message Response.

RepeatedReversalResponse <RpeatdRvslRspn> contains the following **ReversalResponse8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		597
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		598
	POITransactionIdentification <POITxId>	[1..1]	±		598
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		598
	IssuerReferenceData <IssrRefData>	[0..1]	Text		598
	ReversalTransactionResult <RvslTxRslt>	[1..1]			598
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		599
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		599
	CustomerOrder <CstmrOrd>	[0..*]	±		604
	ReversedAmount <RvsdAmt>	[0..1]	Amount		604
	Receipt <Rct>	[0..*]	±		604

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 1088

16.4.2.3.6.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 1086

16.4.2.3.6.6 ReversalTransactionResult <RvsITxRsIt>

Presence: [1..1]

Definition: Result of reversal transaction.

ReversalTransactionResult <RvsITxRsIt> contains the following **RetailerReversalResult6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		599
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		599
	CustomerOrder <CstmrOrd>	[0..*]	±		604

16.4.2.3.6.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

Datatype: "Max35Text" on page 1088

16.4.2.3.6.6.2 OriginalPaymentTransaction <OrgnlPmtTx>

Presence: [0..1]

Definition: Original Transaction if any linked to this reversal.

OriginalPaymentTransaction <OrgnlPmtTx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIId>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtnDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrdr>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

16.4.2.3.6.6.3 CustomerOrder <CstmrOrdrr>

Presence: [0..*]

Definition: Updated Customer order list after reversal.

CustomerOrder <CstmrOrdrr> contains the following elements (see "CustomerOrder1" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrrId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdrrStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

16.4.2.3.6.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

16.4.2.3.6.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

Receipt <Rct> contains the following elements (see "[PaymentReceipt6](#)" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

16.4.2.3.7 RepeatedStoredValueResponse <RepeatdStordValRspn>

Presence: [0..1]

Definition: Content of the requested StoredValue Message Response.

RepeatedStoredValueResponse <RepeatdStordValRspn> contains the following **StoredValueResponse7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		606
	POITransactionIdentification <POITxId>	[1..1]	±		607
	Result <RsIt>	[0..*]			607
	Provider <Prvdr>	[0..1]	Text		608
	TransactionType <TxTp>	[1..1]	CodeSet		608
	AccountIdentification <AcctId>	[0..1]			609
	AccountType <AcctTp>	[0..1]	CodeSet		609
	IdentificationType <IdTp>	[0..1]	CodeSet		610
	Identification <Id>	[0..1]	Text		610
	Brand <Brnd>	[0..1]	Text		611
	Provider <Prvdr>	[0..1]	Text		611
	OwnerName <OwnrNm>	[0..1]	Text		611
	ExpiryDate <XpryDt>	[0..1]	Text		611
	EntryMode <NtryMd>	[0..1]	CodeSet		611
	Currency <Ccy>	[0..1]	CodeSet	C1	612
	Balance <Bal>	[0..1]	Amount		612
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		612
	ProductCode <PdctCd>	[0..1]	Text		617
	EANUPC <EANUPC>	[0..1]	Text		617
	ItemAmount <ItmAmt>	[0..1]	Amount		617
	Currency <Ccy>	[0..1]	CodeSet	C1	617
	HostTransactionIdentification <HstTxId>	[0..1]	±		618
	Receipt <Rct>	[0..*]	±		618

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

16.4.2.3.7.3 Result <Rslt>

Presence: [0..*]

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

Result <Rslt> contains the following **StoredValueData7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		608
	TransactionType <TxTp>	[1..1]	CodeSet		608
	AccountIdentification <AcctId>	[0..1]			609
	AccountType <AcctTp>	[0..1]	CodeSet		609
	IdentificationType <IdTp>	[0..1]	CodeSet		610
	Identification <Id>	[0..1]	Text		610
	Brand <Brnd>	[0..1]	Text		611
	Provider <Prvdr>	[0..1]	Text		611
	OwnerName <OwnrNm>	[0..1]	Text		611
	ExpiryDate <XpryDt>	[0..1]	Text		611
	EntryMode <NtryMd>	[0..1]	CodeSet		611
	Currency <Ccy>	[0..1]	CodeSet	C1	612
	Balance <Bal>	[0..1]	Amount		612
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		612
	ProductCode <PdctCd>	[0..1]	Text		617
	EANUPC <EANUPC>	[0..1]	Text		617
	ItemAmount <ItmAmt>	[0..1]	Amount		617
	Currency <Ccy>	[0..1]	CodeSet	C1	617
	HostTransactionIdentification <HstTxId>	[0..1]	±		618

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 1088

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: "StoredValueTransactionType3Code" on page 1073

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.
BALC	Balance	Balance enquiry.

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		609
	IdentificationType <IdTp>	[0..1]	CodeSet		610
	Identification <Id>	[0..1]	Text		610
	Brand <Brnd>	[0..1]	Text		611
	Provider <Prvdr>	[0..1]	Text		611
	OwnerName <OwnrNm>	[0..1]	Text		611
	ExpiryDate <XpryDt>	[0..1]	Text		611
	EntryMode <NtryMd>	[0..1]	CodeSet		611
	Currency <Ccy>	[0..1]	CodeSet	C1	612
	Balance <Bal>	[0..1]	Amount		612

16.4.2.3.7.3.3.1 AccountType <AcctTp>*Presence:* [0..1]*Definition:* Type of stored value account.*Datatype:* "StoredValueAccountType1Code" on page 1073

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.

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 1034

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 1088

16.4.2.3.7.3.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

16.4.2.3.7.3.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

16.4.2.3.7.3.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

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 1086

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 1033

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.

CodeName	Name	Definition
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.)

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 1017

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 1013

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 "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

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 1088**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 1088**16.4.2.3.7.3.7 ItemAmount <ItmAmt>***Presence:* [0..1]*Definition:* Total amount of the item line.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**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 1017**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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

16.4.2.3.7.4 Receipt <Rct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

Receipt <Rct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

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 <SaleTxId>	[0..1]	±		618
	POITransactionIdentification <POITxId>	[1..1]	±		619
	PaymentBrand <PmtBrnd>	[0..*]	Text		619
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C7	619
	LoyaltyAccount <LtyAcct>	[0..*]	±		619
	CustomerOrder <CstmrOrd>	[0..*]	±		620

16.4.2.3.8.1 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

16.4.2.3.8.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

16.4.2.3.8.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

Datatype: ["Max35Text"](#) on page 1088

16.4.2.3.8.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: [C7 "ValidationByTable"](#)

Datatype: ["LanguageCode"](#) on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

16.4.2.3.8.5 LoyaltyAccount <LltyAcct>

Presence: [0..*]

Definition: Loyalty account information.

LoyaltyAccount <LtyAcct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

16.4.2.3.8.6 CustomerOrder <CstmrOrdr>

Presence: [0..*]

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

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

16.4.2.3.9 RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RepeatdSndAppIprtcolDataUnitCardRdrRspn>

Presence: [0..1]

Definition: Content of the requested SendApplicationProtocolDataUnitCardReader Message Response.

RepeatedSendApplicationProtocolDataUnitCardReaderResponse
<RepeatdSndApplPrtcolDataUnitCardRdrRspn> contains the following
DeviceSendApplicationProtocolDataUnitCardReaderResponse1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Data <Data>	[0..1]	Binary		621
	CardStatus <CardSts>	[1..1]	Binary		621

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 1016

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 1016

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 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

16.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: C6 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 "[ContentInformationType38](#)" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

17 casp.016.001.06 SaleToPOIDeviceRequestV06

17.1 MessageDefinition Functionality

The SaleTOPOIDeviceRequest message is sent by the sale system to POI system to request a device service.

Outline

The SaleToPOIDeviceRequestV06 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]			624
	MessageFunction <MsgFctn>	[1..1]	CodeSet		624
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		625
	ExchangeIdentification <XchgId>	[1..1]	Text		626
	CreationDateTime <CreDtTm>	[1..1]	DateTime		626
	InitiatingParty <InitgPty>	[1..1]	±		626
	RecipientParty <RcptPty>	[0..1]	±		626
	Traceability <Tracblt>	[0..*]	±		627
	DeviceRequest <DvcReq>	[1..1]	±		627
	SecurityTrailer <SctyTrlr>	[0..1]	±		630

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		624
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		625
	ExchangeIdentification <XchgId>	[1..1]	Text		626
	CreationDateTime <CreDtTm>	[1..1]	DateTime		626
	InitiatingParty <InitgPty>	[1..1]	±		626
	RecipientParty <RcptPty>	[0..1]	±		626
	Traceability <Tracblt>	[0..*]	±		627

17.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

17.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

17.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

17.4.2 DeviceRequest <DvcReq>

Presence: [1..1]

Definition: Information related to a device request.

DeviceRequest <DvcReq> contains the following elements (see "DeviceRequest7" on page 639 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		642
	Context <Cntxt>	[0..1]	±		648
	ServiceContent <SvcCntt>	[1..1]	CodeSet		651
	DisplayRequest <DispReq>	[0..1]			651
	DisplayOutput <DispOutpt>	[1..*]	±		651
	InputRequest <InptReq>	[0..1]			652
	DisplayOutput <DispOutpt>	[0..1]	±		653
	InputData <InptData>	[1..1]			654
	DeviceType <DvcTp>	[1..1]	CodeSet		655
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		655
	InputCommand <InptCmd>	[1..1]	CodeSet		656
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		657
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		657
	InputText <InptTxt>	[0..1]	±		657
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		658
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		658
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		658
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		659
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		659
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		659
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		659
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		659
	PrintRequest <PrtReq>	[0..1]			660
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		660
	ResponseMode <RspnMd>	[1..1]	CodeSet		660
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		661
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		661
	OutputContent <OutptCntt>	[1..1]	±		661
	PlayResourceRequest <PlayRsrcReq>	[0..1]			662
	ResponseMode <RspnMd>	[0..1]	CodeSet		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResourceAction <RsrcActn>	[1..1]	CodeSet		663
	SoundVolume <SoundVol>	[0..1]	Rate		663
	DisplayResolution <DispRsln>	[0..1]	Text		663
	Resource <Rsrc>	[0..1]			663
	ResourceType <RsrcTp>	[1..1]	CodeSet		664
	ResourceFormat <RsrcFrmt>	[0..1]	CodeSet		664
	Language <Lang>	[0..1]	CodeSet	C6	664
	ResourceReference <RsrcRef>	[0..1]	Text		664
	TimingSlot <TmgSlot>	[0..1]	CodeSet		665
	SecureInputRequest <ScrInptReq>	[0..1]			665
	PINRequestType <PINReqTp>	[1..1]	CodeSet		665
	PINVerificationMethod <PINVrfctnMtd>	[0..1]	Text		666
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		666
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		666
	CardholderPIN <CrhdldrPIN>	[0..1]			666
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		666
	PINFormat <PINFrmt>	[1..1]	CodeSet		667
	AdditionalInput <AddtlInpt>	[0..1]	Text		667
	InitialisationCardReaderRequest <InitlstnCardRdrReq>	[0..1]			667
	WarmResetFlag <WarmRstFlg>	[0..1]	Indicator		668
	ForceEntryMode <ForceNtryMd>	[0..*]	CodeSet		668
	LeaveCardFlag <LeavCardFlg>	[0..1]	Indicator		669
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		669
	DisplayOutput <DispOutpt>	[0..1]	±		669
	CardReaderAPDURequest <CardRdrAPDUReq>	[0..1]			670
	Class <C/sss>	[1..1]	Binary		670
	Instruction <Instr>	[1..1]	Binary		670
	Parameter1 <Param1>	[1..1]	Binary		670
	Parameter2 <Param2>	[1..1]	Binary		670
	Data <Data>	[0..1]	Binary		670
	ExpectedLength <XpctdLngth>	[0..1]	Binary		670

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PowerOffCardReaderRequest <PwrOffCardRdrReq>	[0..1]			671
	PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>	[0..1]	Quantity		671
	DisplayOutput <DispOutpt>	[0..1]	±		671
	TransmissionRequest <TrnsmssnReq>	[0..1]			672
	DestinationAddress <DstnAdr>	[1..1]	±		672
	MaximumTransmissionTime <MaxTrnsmssnTm>	[1..1]	Quantity		673
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		673
	MessageToSend <MsgToSnd>	[1..1]	Binary		673
	InputNotification <InptNtfctn>	[0..1]			673
	ExchangeIdentification <XchgId>	[1..1]	Text		673
	OutputContent <OutptCntt>	[1..1]	±		674
	SupplementaryData <SplmtryData>	[0..*]	±	C5	674

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 "[ContentInformationType38](#)" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

18 **casp.017.001.06**

SaleToPOIDeviceResponseV06

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 SaleToPOIDeviceResponseV06 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]			632
	MessageFunction <MsgFctn>	[1..1]	CodeSet		632
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		633
	ExchangeIdentification <XchgId>	[1..1]	Text		634
	CreationDateTime <CreDtTm>	[1..1]	DateTime		634
	InitiatingParty <InitgPty>	[1..1]	±		634
	RecipientParty <RcptPty>	[0..1]	±		634
	Traceability <Tracblt>	[0..*]	±		635
	DeviceResponse <DvcRspn>	[1..1]	±		635
	SecurityTrailer <SctyTrlr>	[0..1]	±		637

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		632
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		633
	ExchangeIdentification <XchgId>	[1..1]	Text		634
	CreationDateTime <CreDtTm>	[1..1]	DateTime		634
	InitiatingParty <InitgPty>	[1..1]	±		634
	RecipientParty <RcptPty>	[0..1]	±		634
	Traceability <Tracblt>	[0..*]	±		635

18.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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 1089

18.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

18.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

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 "DeviceResponse7" on page 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		677
	Context <Cntxt>	[0..1]	±		683
	ServiceContent <SvcCntt>	[1..1]	CodeSet		686
	DisplayResponse <DispRspn>	[0..1]			686
	OutputResult <OutptRslt>	[1..*]			687
	DeviceType <DvcTp>	[1..1]	CodeSet		687
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		687
	Response <Rspn>	[1..1]	±		688
	InputResponse <InptRspn>	[0..1]			688
	OutputResult <OutptRslt>	[0..1]			689
	DeviceType <DvcTp>	[1..1]	CodeSet		689
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		690
	Response <Rspn>	[1..1]	±		691
	InputResult <InptRslt>	[1..1]			691
	DeviceType <DvcTp>	[1..1]	CodeSet		691
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		692
	InputResultData <InptRsltData>	[1..1]			692
	InputCommand <InptCmd>	[1..1]	CodeSet		693
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		694
	FunctionKey <FctnKey>	[0..1]	Quantity		694
	InputMessage <InptMsg>	[0..1]	Text		694
	Password <Pwd>	[0..1]	±		694
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			695
	ImageFormat <ImgFrmt>	[1..1]	Text		695
	ImageData <ImgData>	[0..1]	Binary		695
	ImageReference <ImgRef>	[0..1]	Text		695
	AdditionalInformation <AddtlInf>	[0..1]	Text		695
	PrintResponse <PrtRspn>	[0..1]			695
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		695
	SecureInputResponse <ScrInptRspn>	[0..1]			696

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderPIN <CrhdldrPIN>	[0..1]			696
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		697
	PINFormat <PINFrmt>	[1..1]	CodeSet		697
	AdditionalInput <AddtlInpt>	[0..1]	Text		697
	InitialisationCardReaderResponse <InitlsthCardRdrRspn>	[0..1]			697
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		698
	ICCRResetData <ICCRstData>	[0..1]			698
	ATRValue <ATRVAl>	[0..1]	Binary		699
	CardStatus <CardSts>	[0..1]	Binary		699
	AdditionalInformation <AddtlInf>	[0..1]	Binary		699
	CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>	[0..1]			699
	Data <Data>	[0..1]	Binary		699
	CardStatus <CardSts>	[1..1]	Binary		699
	TransmissionResponse <TrnsmssnRspn>	[0..1]			700
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		700
	Response <Rspn>	[1..1]	±		700
	SupplementaryData <SplmtryData>	[0..*]	±	C5	700

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 "ContentInformationType38" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

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]	±		638
	ParametersVersion <ParamsVrsn>	[0..1]	Text		638

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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

19.1.1.1.2 ParametersVersion <ParamsVrsn>

Presence: [0..1]

Definition: Version of the payment acquirer parameters of the POI.

Datatype: "Max256Text" on page 1087

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		639
	KeyVersion <KeyVrsn>	[1..1]	Text		639
	SequenceNumber <SeqNb>	[0..1]	Quantity		639
	DerivationIdentification <DerivtnId>	[0..1]	Binary		639

19.1.1.2.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 1086

19.1.1.2.2 KeyVersion <KeyVrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 1086

19.1.1.2.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: "Number" on page 1084

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 1016

19.1.2 Action

19.1.2.1 DeviceRequest7

Definition: Specifies the environment, the context and the services to be used with a device request message.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		642
	Context <Cntxt>	[0..1]	±		648
	ServiceContent <SvcCntt>	[1..1]	CodeSet		651
	DisplayRequest <DispReq>	[0..1]			651
	DisplayOutput <DispOutpt>	[1..*]	±		651
	InputRequest <InptReq>	[0..1]			652
	DisplayOutput <DispOutpt>	[0..1]	±		653
	InputData <InptData>	[1..1]			654
	DeviceType <DvcTp>	[1..1]	CodeSet		655
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		655
	InputCommand <InptCmd>	[1..1]	CodeSet		656
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		657
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		657
	InputText <InptTxt>	[0..1]	±		657
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		658
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		658
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		658
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		659
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		659
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		659
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		659
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		659
	PrintRequest <PrtReq>	[0..1]			660
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		660
	ResponseMode <RspnMd>	[1..1]	CodeSet		660
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		661
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		661
	OutputContent <OutptCntt>	[1..1]	±		661
	PlayResourceRequest <PlayRsrcReq>	[0..1]			662
	ResponseMode <RspnMd>	[0..1]	CodeSet		663
	ResourceAction <RsrcActn>	[1..1]	CodeSet		663

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SoundVolume <SoundVol>	[0..1]	Rate		663
	DisplayResolution <DispRsIttn>	[0..1]	Text		663
	Resource <Rsrc>	[0..1]			663
	ResourceType <RsrcTp>	[1..1]	CodeSet		664
	ResourceFormat <RsrcFrmt>	[0..1]	CodeSet		664
	Language <Lang>	[0..1]	CodeSet	C6	664
	ResourceReference <RsrcRef>	[0..1]	Text		664
	TimingSlot <TmgSlot>	[0..1]	CodeSet		665
	SecureInputRequest <ScrInptReq>	[0..1]			665
	PINRequestType <PINReqTp>	[1..1]	CodeSet		665
	PINVerificationMethod <PINVrfctnMtd>	[0..1]	Text		666
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		666
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		666
	CardholderPIN <CrdhldrPIN>	[0..1]			666
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		666
	PINFormat <PINFrmt>	[1..1]	CodeSet		667
	AdditionalInput <AddtlInpt>	[0..1]	Text		667
	InitialisationCardReaderRequest <InitlstnCardRdrReq>	[0..1]			667
	WarmResetFlag <WarmRstFlg>	[0..1]	Indicator		668
	ForceEntryMode <ForceNtryMd>	[0..*]	CodeSet		668
	LeaveCardFlag <LeavCardFlg>	[0..1]	Indicator		669
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		669
	DisplayOutput <DispOutpt>	[0..1]	±		669
	CardReaderAPDURequest <CardRdrAPDUReq>	[0..1]			670
	Class <C/ss>	[1..1]	Binary		670
	Instruction <Instr>	[1..1]	Binary		670
	Parameter1 <Param1>	[1..1]	Binary		670
	Parameter2 <Param2>	[1..1]	Binary		670
	Data <Data>	[0..1]	Binary		670
	ExpectedLength <XpctdLngh>	[0..1]	Binary		670
	PowerOffCardReaderRequest <PwrOffCardRdrReq>	[0..1]			671

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>	[0..1]	Quantity		671
	DisplayOutput <DispOutpt>	[0..1]	±		671
	TransmissionRequest <TrnsmssnReq>	[0..1]			672
	DestinationAddress <DstnAdr>	[1..1]	±		672
	MaximumTransmissionTime <MaxTrnsmssnTm>	[1..1]	Quantity		673
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		673
	MessageToSend <MsgToSnd>	[1..1]	Binary		673
	InputNotification <InptNtfctn>	[0..1]			673
	ExchangeIdentification <XchgId>	[1..1]	Text		673
	OutputContent <OutptCntt>	[1..1]	±		674
	SupplementaryData <SplmtryData>	[0..*]	±	C5	674

19.1.2.1.1 Environment <Envt>

Presence: [0..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <GrpId>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrctdCrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdnncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrlId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

19.1.2.1.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService8Code" on page 1069

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 **DeviceDisplayRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DisplayOutput <DispOutpt>	[1..*]	±		651

19.1.2.1.4.1 DisplayOutput <DispOutpt>

Presence: [1..*]

Definition: Message to be displayed.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCdBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCdVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCdNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCdErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.2.1.5 InputRequest <InptReq>

Presence: [0..1]

Definition: Content of the Input Request message.

InputRequest <InptReq> contains the following **DeviceInputRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DisplayOutput <DispOutpt>	[0..1]	±		653
	InputData <InptData>	[1..1]			654
	DeviceType <DvcTp>	[1..1]	CodeSet		655
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		655
	InputCommand <InptCmd>	[1..1]	CodeSet		656
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		657
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		657
	InputText <InptTxt>	[0..1]	±		657
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		658
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		658
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		658
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		659
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		659
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		659
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		659
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		659

19.1.2.1.5.1 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Information to display before input.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.2.1.5.2 InputData <InptData>

Presence: [1..1]

Definition: Information related to an Input request.

InputData <InptData> contains the following **InputData6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceType <DvcTp>	[1..1]	CodeSet		655
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		655
	InputCommand <InptCmd>	[1..1]	CodeSet		656
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		657
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		657
	InputText <InptTxt>	[0..1]	±		657
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		658
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		658
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		658
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		659
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		659
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		659
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		659
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		659

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 1072

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 1045

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 1045

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 1083](#)):

- *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 1084](#)

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 "[ActionMessage11](#)" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

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 1083):

- *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 1083):

- *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 1083):

- *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 1083](#)):

- *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 1083](#)):

- *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 1083](#)):

- *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 1083](#)):

- *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 1083](#)):

- *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 **DevicePrintRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		660
	ResponseMode <RspnMd>	[1..1]	CodeSet		660
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		661
	RequiredSignatureFlag <ReqrdSgntFlg>	[0..1]	Indicator		661
	OutputContent <OutptCntt>	[1..1]	±		661

19.1.2.1.6.1 DocumentQualifier <DocQlfr>*Presence:* [1..1]*Definition:* Qualifies the type of document.*Datatype:* "DocumentType7Code" on page 1042

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 1062

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 1083](#)):

- *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 1083](#)):

- *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 "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRcdNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

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		663
	ResourceAction <RsrcActn>	[1..1]	CodeSet		663
	SoundVolume <SoundVol>	[0..1]	Rate		663
	DisplayResolution <DispRsln>	[0..1]	Text		663
	Resource <Rsrc>	[0..1]			663
	ResourceType <RsrcTp>	[1..1]	CodeSet		664
	ResourceFormat <RsrcFrmt>	[0..1]	CodeSet		664
	Language <Lang>	[0..1]	CodeSet	C6	664
	ResourceReference <RsrcRef>	[0..1]	Text		664
	TimingSlot <TmgSlot>	[0..1]	CodeSet		665

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 1062

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 1061

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 1085**19.1.2.1.7.4 DisplayResolution <DispRsln>***Presence:* [0..1]*Definition:* Resolution to use.*Datatype:* "Max35Text" on page 1088**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		664
	ResourceFormat <RsrcFmt>	[0..1]	CodeSet		664
	Language <Lang>	[0..1]	CodeSet	C6	664
	ResourceReference <RsrcRef>	[0..1]	Text		664

19.1.2.1.7.5.1 ResourceType <RsrcTp>

Presence: [1..1]

Definition: Type of media resource.

Datatype: "ResourceType1Code" on page 1061

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 1072

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 1048

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 1085

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 1059

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 **DeviceSecureInputRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PINRequestType <PINReqTp>	[1..1]	CodeSet		665
	PINVerificationMethod <PINVrfctnMtd>	[0..1]	Text		666
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		666
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		666
	CardholderPIN <CrdhldrPIN>	[0..1]			666
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		666
	PINFormat <PINFrmt>	[1..1]	CodeSet		667
	AdditionalInput <AddtlInpt>	[0..1]	Text		667

19.1.2.1.8.1 PINRequestType <PINReqTp>

Presence: [1..1]

Definition: Type of PIN Service.

Datatype: "PINRequestType1Code" on page 1056

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 1088

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 1084

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 1083):

- *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 **OnLinePIN11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		666
	PINFormat <PINFrmt>	[1..1]	CodeSet		667
	AdditionalInput <AddtlInpt>	[0..1]	Text		667

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 "ContentInformationType40" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.2.1.8.5.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 1055

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 1088

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 **DeviceInitialisationCardReaderRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	WarmResetFlag <WarmRstFlg>	[0..1]	Indicator		668
	ForceEntryMode <ForceNtryMd>	[0..*]	CodeSet		668
	LeaveCardFlag <LeavCardFlg>	[0..1]	Indicator		669
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		669
	DisplayOutput <DispOutpt>	[0..1]	±		669

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 1083):

- *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 1033

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 1083):

- *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 1084

19.1.2.1.9.5 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Information to display.

DisplayOutput <DispOutpt> contains the following elements (see ["ActionMessage11"](#) on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

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 <C/SS>	[1..1]	Binary		670
	Instruction <Inst>	[1..1]	Binary		670
	Parameter1 <Param1>	[1..1]	Binary		670
	Parameter2 <Param2>	[1..1]	Binary		670
	Data <Data>	[0..1]	Binary		670
	ExpectedLength <XpctdLngh>	[0..1]	Binary		670

19.1.2.1.10.1 Class <C/SS>*Presence:* [1..1]*Definition:* Class field of the Application Protocol Data Unit command (CLA).*Datatype:* "Min1Max256Binary" on page 1016**19.1.2.1.10.2 Instruction <Inst>***Presence:* [1..1]*Definition:* Instruction field of the Application Protocol Data Unit command (INS).*Datatype:* "Min1Max256Binary" on page 1016**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 1016**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 1016**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 1016**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 1016

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 **DevicePoweroffCardReaderRequest6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>	[0..1]	Quantity		671
	DisplayOutput <DispOutpt>	[0..1]	±		671

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 1084

19.1.2.1.11.2 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Optional message before Power-Off.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrCdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrCdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

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]	±		672
	MaximumTransmissionTime <MaxTrnsmssnTm>	[1..1]	Quantity		673
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		673
	MessageToSend <MsgToSnd>	[1..1]	Binary		673

19.1.2.1.12.1 DestinationAddress <DstnAdr>

Presence: [1..1]

Definition: Transport address.

DestinationAddress <DstnAdr> contains the following elements (see "NetworkParameters7" on page 937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			938
	NetworkType <NtwkTp>	[1..1]	CodeSet		938
	AddressValue <AdrVal>	[1..1]	Text		938
	UserName <UsrNm>	[0..1]	Text		938
	AccessCode <AccsCd>	[0..1]	Binary		939
	ServerCertificate <SvrCert>	[0..*]	Binary		939
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		939
	ClientCertificate <ClntCert>	[0..*]	Binary		939
	SecurityProfile <SctyPrfl>	[0..1]	Text		939

19.1.2.1.12.2 MaximumTransmissionTime <MaxTrnsmssnTm>

Presence: [1..1]

Definition: Maximum time in seconds of transmission.

Datatype: "Number" on page 1084

19.1.2.1.12.3 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Defines the timeout to receive an answer.

Datatype: "Number" on page 1084

19.1.2.1.12.4 MessageToSend <MsgToSnd>

Presence: [1..1]

Definition: Content of the message to be transmitted.

Datatype: "Max100KBinary" on page 1014

19.1.2.1.13 InputNotification <InptNtfctn>

Presence: [0..1]

Definition: Content of the Input notification message.

InputNotification <InptNtfctn> contains the following **DeviceInputNotification6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		673
	OutputContent <OutptCntt>	[1..1]	±		674

19.1.2.1.13.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Message main identifier.

Datatype: "Max35Text" on page 1088

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 "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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 DeviceResponse7

Definition: Provides the response of a previous device request.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		677
	Context <Cntxt>	[0..1]	±		683
	ServiceContent <SvcCntt>	[1..1]	CodeSet		686
	DisplayResponse <DispRspn>	[0..1]			686
	OutputResult <OutptRslt>	[1..*]			687
	DeviceType <DvcTp>	[1..1]	CodeSet		687
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		687
	Response <Rspn>	[1..1]	±		688
	InputResponse <InptRspn>	[0..1]			688
	OutputResult <OutptRslt>	[0..1]			689
	DeviceType <DvcTp>	[1..1]	CodeSet		689
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		690
	Response <Rspn>	[1..1]	±		691
	InputResult <InptRslt>	[1..1]			691
	DeviceType <DvcTp>	[1..1]	CodeSet		691
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		692
	InputResultData <InptRsltData>	[1..1]			692
	InputCommand <InptCmd>	[1..1]	CodeSet		693
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		694
	FunctionKey <FctnKey>	[0..1]	Quantity		694
	InputMessage <InptMsg>	[0..1]	Text		694
	Password <Pwd>	[0..1]	±		694
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			695
	ImageFormat <ImgFrmt>	[1..1]	Text		695
	ImageData <ImgData>	[0..1]	Binary		695
	ImageReference <ImgRef>	[0..1]	Text		695
	AdditionalInformation <AddtlInf>	[0..1]	Text		695
	PrintResponse <PrtRspn>	[0..1]			695
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		695
	SecureInputResponse <ScrInptRspn>	[0..1]			696
	CardholderPIN <CrhdldrPIN>	[0..1]			696

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		697
	PINFormat <PINFrmt>	[1..1]	CodeSet		697
	AdditionalInput <AddtlInpt>	[0..1]	Text		697
	InitialisationCardReaderResponse <InitlstnCardRdrRspn>	[0..1]			697
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		698
	ICCRstData <ICCRstData>	[0..1]			698
	ATRValue <ATRVAl>	[0..1]	Binary		699
	CardStatus <CardSts>	[0..1]	Binary		699
	AdditionalInformation <AddtlInf>	[0..1]	Binary		699
	CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>	[0..1]			699
	Data <Data>	[0..1]	Binary		699
	CardStatus <CardSts>	[1..1]	Binary		699
	TransmissionResponse <TrnsmssnRspn>	[0..1]			700
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		700
	Response <Rspn>	[1..1]	±		700
	SupplementaryData <SplmtryData>	[0..*]	±	C5	700

19.1.2.2.1 Environment <Envvt>

Presence: [0..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <Grpld>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrctcdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrhdldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crhdldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <Crdhldrld>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <Drvrld>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrctdCrhldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

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 "CardPaymentContext30" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrlId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

19.1.2.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service answered.

Datatype: "RetailerService9Code" on page 1070

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..*]			687
	DeviceType <DvcTp>	[1..1]	CodeSet		687
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		687
	Response <Rspn>	[1..1]	±		688

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		687
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		687
	Response <Rspn>	[1..1]	±		688

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 1081

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 1045

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 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

19.1.2.2.5 InputResponse <InptRspn>

Presence: [0..1]

Definition: Content of the Input Response message.

InputResponse <InptRspn> contains the following **DeviceInputResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OutputResult <OutptRslt>	[0..1]			689
	DeviceType <DvcTp>	[1..1]	CodeSet		689
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		690
	Response <Rspn>	[1..1]	±		691
	InputResult <InptRslt>	[1..1]			691
	DeviceType <DvcTp>	[1..1]	CodeSet		691
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		692
	InputResultData <InptRsltData>	[1..1]			692
	InputCommand <InptCmd>	[1..1]	CodeSet		693
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		694
	FunctionKey <FctnKey>	[0..1]	Quantity		694
	InputMessage <InptMsg>	[0..1]	Text		694
	Password <Pwd>	[0..1]	±		694
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			695
	ImageFormat <ImgFrmt>	[1..1]	Text		695
	ImageData <ImgData>	[0..1]	Binary		695
	ImageReference <ImgRef>	[0..1]	Text		695
	AdditionalInformation <AddtlInf>	[0..1]	Text		695

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		689
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		690
	Response <Rspn>	[1..1]	±		691

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 1081

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 1045

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 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

19.1.2.2.5.2 InputResult <InptRsIt>*Presence:* [1..1]*Definition:* Result of input request.**InputResult <InptRsIt>** contains the following **InputResult6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceType <DvcTp>	[1..1]	CodeSet		691
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		692
	InputResultData <InptRsItData>	[1..1]			692
	InputCommand <InptCmd>	[1..1]	CodeSet		693
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		694
	FunctionKey <FctnKey>	[0..1]	Quantity		694
	InputMessage <InptMsg>	[0..1]	Text		694
	Password <Pwd>	[0..1]	±		694
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			695
	ImageFormat <ImgFrmt>	[1..1]	Text		695
	ImageData <ImgData>	[0..1]	Binary		695
	ImageReference <ImgRef>	[0..1]	Text		695
	AdditionalInformation <AddtlInf>	[0..1]	Text		695

19.1.2.2.5.2.1 DeviceType <DvcTp>*Presence:* [1..1]*Definition:* Type of Input device.*Datatype:* "SaleCapabilities2Code" on page 1072

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 1045

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 **InputResultData6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputCommand <InptCmd>	[1..1]	CodeSet		693
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		694
	FunctionKey <FctnKey>	[0..1]	Quantity		694
	InputMessage <InptMsg>	[0..1]	Text		694
	Password <Pwd>	[0..1]	±		694
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			695
	ImageFormat <ImgFrmt>	[1..1]	Text		695
	ImageData <ImgData>	[0..1]	Binary		695
	ImageReference <ImgRef>	[0..1]	Text		695
	AdditionalInformation <AddttlInf>	[0..1]	Text		695

19.1.2.2.5.2.3.1 InputCommand <InptCmd>

Presence: [1..1]

Definition: Type of processed input.

Datatype: "InputCommand1Code" on page 1045

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 1083):

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

19.1.2.2.5.2.3.3 FunctionKey <FctnKey>

Presence: [0..1]

Definition: Specifies 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 1084

19.1.2.2.5.2.3.4 InputMessage <InptMsg>

Presence: [0..1]

Definition: Specifies the input text and data given by the POI or the Sale System.

Datatype: ["Max20000Text"](#) on page 1087

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 ["ContentInformationType39"](#) on page 992 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		992
	EnvelopedData <EnvlpdData>	[0..1]	±		992
	AuthenticatedData <AuthntcdData>	[0..1]	±		994
	SignedData <SgndData>	[0..1]	±		995
	DigestedData <DgstdData>	[0..1]	±		996

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		695
	ImageData <ImgData>	[0..1]	Binary		695
	ImageReference <ImgRef>	[0..1]	Text		695
	AdditionalInformation <AddtlInf>	[0..1]	Text		695

19.1.2.2.5.2.3.6.1 ImageFormat <ImgFrmt>*Presence:* [1..1]*Definition:* Format of the image.*Datatype:* "Max35Text" on page 1088**19.1.2.2.5.2.3.6.2 ImageData <ImgData>***Presence:* [0..1]*Definition:* Data of the image.*Datatype:* "Max2MBBinary" on page 1015**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 1089**19.1.2.2.5.2.3.6.4 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information for the image.*Datatype:* "Max140Text" on page 1086**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		695

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 1042

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 <ScrInptRspn>

Presence: [0..1]

Definition: Response to a secure input request.

SecureInputResponse <ScrInptRspn> contains the following **DeviceSecureInputResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderPIN <CrdhldrPIN>	[0..1]			696
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		697
	PINFormat <PINFrmt>	[1..1]	CodeSet		697
	AdditionalInput <AddtlInpt>	[0..1]	Text		697

19.1.2.2.7.1 CardholderPIN <CrdhldrPIN>

Presence: [0..1]

Definition: Cardholder PIN data when needed.

CardholderPIN <CrdhldrPIN> contains the following **OnLinePIN11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		697
	PINFormat <PINFrmt>	[1..1]	CodeSet		697
	AdditionalInput <AddtlInpt>	[0..1]	Text		697

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 "ContentInformationType40" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.2.2.7.1.2 PINFormat <PINFrmt>*Presence:* [1..1]*Definition:* PIN (Personal Identification Number) format before encryption.*Datatype:* "PINFormat3Code" on page 1055

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 1088**19.1.2.2.8 InitialisationCardReaderResponse <InitlStnCardRdrRspn>***Presence:* [0..1]*Definition:* Content received after a card initialisation.

InitialisationCardReaderResponse <InitlStnCrdRdrRspn> contains the following **DeviceInitialisationCardReaderResponse2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		698
	ICCRResetData <ICCRstData>	[0..1]			698
	ATRValue <ATRVa/>	[0..1]	Binary		699
	CardStatus <CardSts>	[0..1]	Binary		699
	AdditionalInformation <AddtlInf>	[0..1]	Binary		699

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 1033

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		699
	CardStatus <CardSts>	[0..1]	Binary		699

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 1014

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 1015

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 1014

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		699
	CardStatus <CardSts>	[1..1]	Binary		699

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 1016

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 1016

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		700

19.1.2.2.10.1 ReceivedMessage <RcvdMsg>*Presence:* [0..1]*Definition:* Content of a transmitted message.*Datatype:* "Max100KBinary" on page 1014**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 909 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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]	±		701
	Email <Email>	[0..1]	Text		701
	URLAddress <URLAdr>	[0..1]	Text		702
	Phone <Phne>	[0..1]	Text		702
	CustomerService <CstmrSvc>	[0..1]	Text		702
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		702

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 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		940
	Department <Dept>	[0..1]	Text		940
	SubDepartment <SubDept>	[0..1]	Text		940
	AddressLine <AdrLine>	[0..2]	Text		940
	StreetName <StrtNm>	[0..1]	Text		941
	BuildingNumber <BldgNb>	[0..1]	Text		941
	PostCode <PstCd>	[0..1]	Text		941
	TownName <TwnNm>	[0..1]	Text		941
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		941
	CountryCode <CtryCd>	[0..1]	Text		941

19.1.3.1.2 Email <Email>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: "Max256Text" on page 1087

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 1087

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 1092

19.1.3.1.5 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer service.

Datatype: "PhoneNumber" on page 1092

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 1087

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		702
	Currency <Ccy>	[1..1]	CodeSet	C1	703
	Sign <Sgn>	[0..1]	Indicator		703

19.1.4.1.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.4.1.2 Currency <Ccy>*Presence:* [1..1]*Definition:* Currency associated with the transaction.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1017**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 1083):

- *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		703
	OtherType <OthrTp>	[0..1]	Text		704
	SubType <SubTp>	[0..1]	Text		704
	Amount <Amt>	[0..1]	±		704
	Percentage <Pctg>	[0..1]	Rate		704

19.1.4.2.1 Type <Tp>*Presence:* [0..1]*Definition:* Grace period unit type.*Datatype:* "InstalmentAmountDetailsType1Code" on page 1046

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 1088

19.1.4.2.3 SubType <SubTp>

Presence: [0..1]

Definition: Grace period sub type.

Datatype: "Max35Text" on page 1088

19.1.4.2.4 Amount <Amt>

Presence: [0..1]

Definition: Detailed instalment amount.

Amount <Amt> contains the following elements (see "Amount5" on page 704 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		705
	Sign <Sgn>	[0..1]	Indicator		705

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 1085

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		705
	Sign <Sgn>	[0..1]	Indicator		705

19.1.4.3.1 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**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 1083):

- *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		705
	CashBack <CshBck>	[0..1]	Amount		705
	Gratuity <Grtty>	[0..1]	Amount		705
	Fees <Fees>	[0..*]	±		706
	Rebate <Rbt>	[0..*]	±		706
	ValueAddedTax <ValAddedTax>	[0..*]	±		706
	Surcharge <Srchr>	[0..*]	±		706

19.1.4.4.1 AmountGoodsAndServices <AmtGoodsAndSvcs>*Presence:* [0..1]*Definition:* Amount of purchase goods and services without tax.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.4.4.2 CashBack <CshBck>***Presence:* [0..1]*Definition:* Cash-back amount.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.4.4.3 Gratuity <Grtty>***Presence:* [0..1]*Definition:* Gratuity amount.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013

19.1.4.4.4 Fees <Fees>*Presence:* [0..*]*Definition:* Fees amount.**Fees <Fees>** contains the following elements (see "[DetailedAmount4](#)" on page 707 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		707
	Label <Labl>	[0..1]	Text		707

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 707 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		707
	Label <Labl>	[0..1]	Text		707

19.1.4.4.6 ValueAddedTax <ValAddedTax>*Presence:* [0..*]*Definition:* Value added tax amount.**ValueAddedTax <ValAddedTax>** contains the following elements (see "[DetailedAmount4](#)" on page 707 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		707
	Label <Labl>	[0..1]	Text		707

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 707 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		707
	Label <Labl>	[0..1]	Text		707

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		707
	Label <Labl>	[0..1]	Text		707

19.1.4.5.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.4.5.2 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max140Text" on page 1086

19.1.5 Card Transaction

19.1.5.1 GracePeriod1

Definition: Grace period applicable to an instalment plan.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		707
	UnitType <UnitTp>	[1..1]	CodeSet		707
	OtherUnitType <OthrUnitTp>	[0..1]	Text		708

19.1.5.1.1 Time <Tm>

Presence: [1..1]

Definition: Grace period time relative to the grace period unit type.

Datatype: "Max3NumericText" on page 1088

19.1.5.1.2 UnitType <UnitTp>

Presence: [1..1]

Definition: Grace period unit type.

Datatype: "GracePeriodUnitType1Code" on page 1044

CodeName	Name	Definition
WEKS	Weeks	Grace period weeks.
PMTS	Payments	Grace period payments.

CodeName	Name	Definition
OTHP	OtherPrivate	Other Private Grace period.
OTHN	OtherNational	Other National Grace period.
MNTH	Months	Grace period months.
DAYS	Days	Grace period days.

19.1.5.1.3 OtherUnitType <OthrUnitTp>

Presence: [0..1]

Definition: Grace period other unit type.

Datatype: "Max35Text" on page 1088

19.1.5.2 CardPaymentTransaction136

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		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725
	NumericCode <NmrcCd>	[0..1]	Text		725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <DclrtnDtls>	[0..*]	±		727
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnattendedLevelCategory <UattnddLv/Ctgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743
	Amount <Amt>	[1..1]	Amount		743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtnDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtnTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <Saleitm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctcdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrdr>	[0..1]	±		751
	CustomerToken <CstmrTkn>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerConsent <CstmrChsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

19.1.5.2.1 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 1083):

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

19.1.5.2.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: ["CardPaymentServiceType5Code"](#) on page 1037

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

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

19.1.5.2.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Service in addition to the main service.

Datatype: "CardPaymentServiceType9Code" on page 1037

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.

19.1.5.2.4 ServiceAttribute <SvcAttr>

Presence: [0..1]

Definition: Additional attribute of the service type.

Datatype: "CardPaymentServiceType14Code" on page 1036

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.

19.1.5.2.5 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 1083):

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

19.1.5.2.6 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 1091

19.1.5.2.7 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 1088

19.1.5.2.8 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

19.1.5.2.9 OriginalTransaction <OrgnlTx>

Presence: [0..1]

Definition: Identification of the original transaction.

OriginalTransaction <OrgnlTx> contains the following **CardPaymentTransaction131** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <RsIt>	[1..1]	CodeSet		721
	ResultReason <RsItRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsItgAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <DclrtnDtls>	[0..*]	±		727

19.1.5.2.9.1 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

19.1.5.2.9.2 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 931 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

19.1.5.2.9.3 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 753 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		753
	Type <Tp>	[0..1]	CodeSet		753
	Issuer <Issr>	[0..1]	CodeSet		754
	ShortName <ShrtNm>	[0..1]	Text		754

19.1.5.2.9.4 CurrencyConversion <CcyConvs>

Presence: [0..1]

Definition: Link to a previous currency conversion.

CurrencyConversion <CcyConvs> contains the following **CurrencyConversion31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <DclrtnDtls>	[0..*]	±		727

19.1.5.2.9.4.1 Result <Rslt>

Presence: [1..1]

Definition: Result of a requested currency conversion.

Datatype: "CurrencyConversionResponse3Code" on page 1040

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.

19.1.5.2.9.4.2 ResultReason <RsltRsn>

Presence: [0..1]

Definition: Plain text explaining the result of the currency conversion request.

Datatype: "Max35Text" on page 1088

19.1.5.2.9.4.3 ConversionDetails <ConvsDtls>

Presence: [0..*]

Definition: Information about the conversion of currency.

ConversionDetails <ConvsDtls> contains the following **CurrencyConversion29** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <DclrtDtls>	[0..*]	±		727

19.1.5.2.9.4.3.1 CurrencyConversionIdentification <CcyConvslId>*Presence:* [0..1]*Definition:* Identification of the currency conversion operation for the service provider.*Datatype:* "Max35Text" on page 1088**19.1.5.2.9.4.3.2 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	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723

19.1.5.2.9.4.3.2.1 AlphaCode <AlphaCd>*Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1017**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.

19.1.5.2.9.4.3.2.2 NumericCode <NmrcCd>*Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1085**19.1.5.2.9.4.3.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1084**19.1.5.2.9.4.3.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.

Datatype: "Max35Text" on page 1088

19.1.5.2.9.4.3.3 ResultingAmount <RsltAmt>

Presence: [0..1]

Definition: Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.9.4.3.4 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 1085

19.1.5.2.9.4.3.5 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 1085

19.1.5.2.9.4.3.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 1081

19.1.5.2.9.4.3.7 ValidFrom <VldFr>

Presence: [0..1]

Definition: Specifies when the currency conversion could start.

Datatype: "ISODateTime" on page 1081

19.1.5.2.9.4.3.8 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 1081

19.1.5.2.9.4.3.9 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	725
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725

19.1.5.2.9.4.3.9.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

19.1.5.2.9.4.3.9.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1085

19.1.5.2.9.4.3.9.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1084

19.1.5.2.9.4.3.9.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1088

19.1.5.2.9.4.3.10 ApplicableBinRange <ApblBinRg>

Presence: [0..*]

Definition: Range of Bin for which the conversion is possible.

ApplicableBinRange <ApIblBinRg> contains the following **BinRange1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726

19.1.5.2.9.4.3.10.1 LowerBin <LwrBin>

Presence: [1..1]

Definition: Lower value of BIN in the range.

Datatype: "Max15NumericText" on page 1086

19.1.5.2.9.4.3.10.2 HigherBin <HghrBin>

Presence: [1..1]

Definition: Higher value of BIN in the range.

Datatype: "Max15NumericText" on page 1086

19.1.5.2.9.4.3.11 OriginalAmount <OrgnlAmt>

Presence: [0..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		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726

19.1.5.2.9.4.3.11.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.9.4.3.11.2 MinimumAmount <MinAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.9.4.3.11.3 MaximumAmount <MaxAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.9.4.3.12 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		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727

19.1.5.2.9.4.3.12.1 Amount <Amt>*Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.5.2.9.4.3.12.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1088**19.1.5.2.9.4.3.13 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		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727

19.1.5.2.9.4.3.13.1 Rate <Rate>*Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1085**19.1.5.2.9.4.3.13.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.*Datatype:* "Max350Text" on page 1088**19.1.5.2.9.4.3.14 DeclarationDetails <DclrtnDtls>***Presence:* [0..*]*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

DeclarationDetails <DclRtnDtIs> contains the following elements (see "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRcdNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.5.2.10 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Unique identification of the Acquirer/Acceptor reconciliation period.

Datatype: "Max35Text" on page 1088

19.1.5.2.11 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: "Max140Text" on page 1086

19.1.5.2.12 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 1086

19.1.5.2.13 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 1086

19.1.5.2.14 TransactionDetails <TxDtls>

Presence: [1..1]

Definition: Details of the transaction.

TransactionDetails <TxDtIs> contains the following **CardPaymentTransactionDetails53** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltgAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <ApblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtnDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <Saleitm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCntr>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctcdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749

19.1.5.2.14.1 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency associated with the transaction.*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1017**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.

19.1.5.2.14.2 TotalAmount <TtlAmt>*Presence:* [1..1]*Definition:* Total amount of the transaction.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.5.2.14.3 CumulativeAmount <CmltvAmt>***Presence:* [0..1]*Definition:* Contains the updated amount of all authorisations related to the same business transaction.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.5.2.14.4 AmountQualifier <AmtQlfr>***Presence:* [0..1]*Definition:* Qualifies the amount associated with the transaction.*Datatype:* "TypeOfAmount8Code" on page 1078

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.

19.1.5.2.14.5 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 705 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		705
	CashBack <CshBck>	[0..1]	Amount		705
	Gratuity <Grtty>	[0..1]	Amount		705
	Fees <Fees>	[0..*]	±		706
	Rebate <Rbt>	[0..*]	±		706
	ValueAddedTax <ValAddedTax>	[0..*]	±		706
	Surcharge <Srchr>	[0..*]	±		706

19.1.5.2.14.6 RequestedAmount <ReqdAmt>

Presence: [0..1]

Definition: Amount requested to be authorised.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.7 AuthorisedAmount <AuthrsdAmt>

Presence: [0..1]

Definition: Amount authorised for the payment transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.8 InvoiceAmount <InvcAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.9 ValidityDate <VldtyDt>

Presence: [0..1]

Definition: Transaction authorisation deadline to complete the related payment.

Datatype: "ISODate" on page 1081

19.1.5.2.14.10 OnLineReason <OnLineRsn>

Presence: [0..*]

Definition: Reason to process an online authorisation.

Datatype: "OnLineReason2Code" on page 1051

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.

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

19.1.5.2.14.11 UnattendedLevelCategory <UatnddLvlCtgy>

Presence: [0..1]

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

Datatype: "Max35NumericText" on page 1088

19.1.5.2.14.12 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1032

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.

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

19.1.5.2.14.13 CurrencyConversionResult <CcyConvsRslt>

Presence: [0..1]

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

CurrencyConversionResult <CcyConvRsIt> contains the following **CurrencyConversion30** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtnDtls>	[0..*]	±		743

19.1.5.2.14.13.1 AcceptedByCardholder <AcptdByCrdhdr>

Presence: [0..1]

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

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

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

19.1.5.2.14.13.2 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 **CurrencyConversion29** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <ApplBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtDtls>	[0..*]	±		743

19.1.5.2.14.13.2.1 CurrencyConversionIdentification <CcyConvslId>*Presence:* [0..1]*Definition:* Identification of the currency conversion operation for the service provider.*Datatype:* "Max35Text" on page 1088**19.1.5.2.14.13.2.2 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	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739

19.1.5.2.14.13.2.2.1 AlphaCode <AlphaCd>*Presence:* [1..1]*Definition:* Alpha currency code (ISO 4217, 3 alphanumeric characters).*Impacted by:* C1 "ActiveCurrency"*Datatype:* "ActiveCurrencyCode" on page 1017**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.

19.1.5.2.14.13.2.2.2 NumericCode <NmrcCd>*Presence:* [1..1]*Definition:* Numeric currency code (ISO 4217, 3 numeric characters).*Datatype:* "Exact3NumericText" on page 1085**19.1.5.2.14.13.2.2.3 Decimal <Dcml>***Presence:* [1..1]*Definition:* Maximal number of digits after the decimal separator for the currency.*Datatype:* "Number" on page 1084**19.1.5.2.14.13.2.2.4 Name <Nm>***Presence:* [0..1]*Definition:* Full name of the currency.

Datatype: "Max35Text" on page 1088

19.1.5.2.14.13.2.3 ResultingAmount <RsltgAmt>

Presence: [0..1]

Definition: Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.13.2.4 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 1085

19.1.5.2.14.13.2.5 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 1085

19.1.5.2.14.13.2.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 1081

19.1.5.2.14.13.2.7 ValidFrom <VldFr>

Presence: [0..1]

Definition: Specifies when the currency conversion could start.

Datatype: "ISODateTime" on page 1081

19.1.5.2.14.13.2.8 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 1081

19.1.5.2.14.13.2.9 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	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741

19.1.5.2.14.13.2.9.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

19.1.5.2.14.13.2.9.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1085

19.1.5.2.14.13.2.9.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1084

19.1.5.2.14.13.2.9.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1088

19.1.5.2.14.13.2.10 ApplicableBinRange <ApblBinRg>

Presence: [0..*]

Definition: Range of Bin for which the conversion is possible.

ApplicableBinRange <ApblBinRg> contains the following **BinRange1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742

19.1.5.2.14.13.2.10.1 LowerBin <LwrBin>

Presence: [1..1]

Definition: Lower value of BIN in the range.

Datatype: "Max15NumericText" on page 1086

19.1.5.2.14.13.2.10.2 HigherBin <HghrBin>

Presence: [1..1]

Definition: Higher value of BIN in the range.

Datatype: "Max15NumericText" on page 1086

19.1.5.2.14.13.2.11 OriginalAmount <OrgnlAmt>

Presence: [0..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		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742

19.1.5.2.14.13.2.11.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.13.2.11.2 MinimumAmount <MinAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.13.2.11.3 MaximumAmount <MaxAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.13.2.12 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		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743

19.1.5.2.14.13.2.12.1 Amount <Amt>*Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.5.2.14.13.2.12.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1088**19.1.5.2.14.13.2.13 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		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743

19.1.5.2.14.13.2.13.1 Rate <Rate>*Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1085**19.1.5.2.14.13.2.13.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.*Datatype:* "Max350Text" on page 1088**19.1.5.2.14.13.2.14 DeclarationDetails <DclrtnDtls>***Presence:* [0..*]*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

DeclarationDetails <DclRtnDtIs> contains the following elements (see "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.5.2.14.14 Instalment <Instlmt>

Presence: [0..*]

Definition: Data related to a financial loan (instalment).

Instalment <Instlmt> contains the following elements (see "Instalment5" on page 799 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		799
	PlanIdentification <PlanId>	[0..1]	Text		800
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		800
	SequenceNumber <SeqNb>	[0..1]	Quantity		800
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		800
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		801
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		801
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		801
	TotalAmount <TtlAmt>	[0..1]	Amount	C1, C4	801
	FirstAmount <FrstAmt>	[0..1]	Amount		801
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		802
	LastAmount <LastAmt>	[0..1]	Amount		802
	Charges <Chrgs>	[0..1]	Amount		802
	DetailedCharges <DtldChrgs>	[0..*]	±		802
	InterestRate <IntrstRate>	[0..*]			802
	Type <Tp>	[0..1]	CodeSet		803
	OtherType <OthrTp>	[0..1]	Text		803
	Period <Prd>	[1..1]	CodeSet		803
	Rate <Rate>	[1..1]	Rate		803
	GracePeriod <GracePrd>	[0..*]	±		803
	PlanNotice <PlanNtce>	[0..*]	±		804

19.1.5.2.14.15 Recurring <Rcrng>

Presence: [0..1]

Definition: Data related to a recurring transaction.

Recurring <Rcrng> contains the following elements (see "[RecurringTransaction6](#)" on page 797 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlanIdentification <PlanId>	[0..1]	Text		797
	SequenceNumber <SeqNb>	[0..1]	Quantity		797
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		797
	GracePeriod <GracePrd>	[0..*]	±		798
	PlanNotice <PlanNtce>	[0..*]	±		798

19.1.5.2.14.16 AggregationTransaction <AggtTx>

Presence: [0..1]

Definition: Payment transaction with an aggregated amount.

AggregationTransaction <AggtTx> contains the following elements (see "[AggregationTransaction3](#)" on page 918 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		918
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		919
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		919
	IndividualPayment <IndvPmt>	[0..*]			919
	Amount <Amt>	[1..1]	Amount		919
	DateTime <DtTm>	[1..1]	DateTime		919
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		919
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		920
	Label <Lab>	[0..1]	Text		920

19.1.5.2.14.17 ProductCodeSetIdentification <PdctCdSetId>

Presence: [0..1]

Definition: Codification used to identify the products.

Datatype: "[Max10Text](#)" on page 1086

19.1.5.2.14.18 SaleItem <SaleItm>

Presence: [0..*]

Definition: Item purchased with the transaction.

SaleItem <SaleItm> contains the following elements (see "Product6" on page 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

19.1.5.2.14.19 DeliveryLocation <DlvryLctn>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

19.1.5.2.14.20 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 1084

19.1.5.2.14.21 CompletionSequenceNumber <CmpltnSeqNb>

Presence: [0..1]

Definition: Total Number of Completion related to the authorisation of this transaction.

Datatype: "PositiveNumber" on page 1084

19.1.5.2.14.22 CompletionSequenceCounter <CmpltnSeqCnt>

Presence: [0..1]

Definition: Identification in the Sequence of the Completion related to the authorisation of this transaction.

Datatype: "PositiveNumber" on page 1084

19.1.5.2.14.23 TotalAuthorisedAmount <TtlAuthrsdAmt>

Presence: [0..1]

Definition: Total Amount authorised for the payment transaction when a sequence of completion is used.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.24 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 **ExternallyDefinedData5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrtctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749

19.1.5.2.14.24.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 1085

19.1.5.2.14.24.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 1014

19.1.5.2.14.24.3 ProtectedValue <PrtctdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrctcdVal> contains the following elements (see "ContentInformationType39" on page 992 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		992
	EnvelopedData <EnvlpdData>	[0..1]	±		992
	AuthenticatedData <AuthntcdData>	[0..1]	±		994
	SignedData <SgndData>	[0..1]	±		995
	DigestedData <DgstdData>	[0..1]	±		996

19.1.5.2.14.24.4 Type <Tp>

Presence: [0..1]

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

Datatype: "Max1025Text" on page 1085

19.1.5.2.14.25 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application.

Datatype: "Max10000Binary" on page 1014

19.1.5.2.15 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]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751

19.1.5.2.15.1 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 761 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		761
	Type <Tp>	[1..1]	CodeSet		761
	Issuer <Issr>	[0..1]	CodeSet		761
	Country <Ctry>	[0..1]	Text		762
	ShortName <ShrtNm>	[0..1]	Text		762

19.1.5.2.15.2 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		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751

19.1.5.2.15.2.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the transaction.

Datatype: "[Response9Code](#)" on page 1062

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).

19.1.5.2.15.2.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detailed result of the transaction.

Datatype: "[Max35Text](#)" on page 1088

19.1.5.2.15.2.3 AdditionalResponseInformation <AddtlRspnInf>*Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1086**19.1.5.2.15.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 1090**19.1.5.2.16 MerchantReferenceData <MrchntRefData>***Presence:* [0..1]*Definition:* Merchant information that must be returned unchanged in the response.*Datatype:* "Max70Text" on page 1090**19.1.5.2.17 CustomerOrder <CstmrOrdrr>***Presence:* [0..1]*Definition:* Customer Order processing data.**CustomerOrder <CstmrOrdrr>** contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrrId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdrrStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

19.1.5.2.18 CustomerToken <CstmrTkn>*Presence:* [0..1]*Definition:* Customer payment token information.

CustomerToken <CstmrTkn> contains the following elements (see "[CardPaymentToken5](#)" on page 1011 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		1011
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1011
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1011
	TokenCharacteristic <TknChrtc>	[0..*]	Text		1012
	TokenRequestor <TknRqstr>	[0..1]			1012
	ProviderIdentification <PrvdrId>	[1..1]	Text		1012
	RequestorIdentification <RqstrId>	[1..1]	Text		1012
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		1012
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		1012
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1012
	TokenInitiatedIndicator <TknInittIdInd>	[0..1]	Indicator		1013

19.1.5.2.19 CustomerConsent <CstmrCnsnt>

Presence: [0..1]

Definition: Indicates if the customer has explicitly validated a choice.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

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

19.1.5.2.20 CardProgrammeProposed <CardPrgrmmPropsd>

Presence: [0..*]

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

Datatype: "[Max35Text](#)" on page 1088

19.1.5.2.21 CardProgrammeApplied <CardPrgrmmApId>

Presence: [0..1]

Definition: Specifies 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 1088

19.1.5.2.22 SaleToPOIData <SaleToPOIData>

Presence: [0..1]

Definition: Specifies element that the sale system wants to store in the POI system.

Datatype: "[Max70Text](#)" on page 1090

19.1.5.2.23 SaleToAcquirerData <SaleToAcqrrData>*Presence:* [0..1]*Definition:* Sale information intended for the Acquirer.*Datatype:* "Max70Text" on page 1090**19.1.5.2.24 SaleToIssuerData <SaleToIssrData>***Presence:* [0..1]*Definition:* Sale information intended for the Issuer.*Datatype:* "Max70Text" on page 1090**19.1.5.2.25 AdditionalTransactionData <AddtlTxData>***Presence:* [0..*]*Definition:* Additional information related to the transaction.*Datatype:* "Max70Text" on page 1090**19.1.6 Identification Information****19.1.6.1 GenericIdentification32***Definition:* Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		753
	Type <Tp>	[0..1]	CodeSet		753
	Issuer <Issr>	[0..1]	CodeSet		754
	ShortName <ShrtNm>	[0..1]	Text		754

19.1.6.1.1 Identification <Id>*Presence:* [1..1]*Definition:* Identification of the entity.*Datatype:* "Max35Text" on page 1088**19.1.6.1.2 Type <Tp>***Presence:* [0..1]*Definition:* Type of identified entity.*Datatype:* "PartyType3Code" on page 1054

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.

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.

19.1.6.1.3 Issuer <lssr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType4Code" on page 1054

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.

19.1.6.1.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.2 GenericIdentification177

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

19.1.6.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.2.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType33Code" on page 1053

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.

19.1.6.2.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType33Code" on page 1053

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.

19.1.6.2.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 1091

19.1.6.2.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.2.6 RemoteAccess <RmotAccs>*Presence:* [0..1]*Definition:* Access information to reach the target host.**RemoteAccess <RmotAccs>** contains the following elements (see "[NetworkParameters7](#)" on page 937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			938
	NetworkType <NtwkTp>	[1..1]	CodeSet		938
	AddressValue <AdrVal>	[1..1]	Text		938
	UserName <UsrNm>	[0..1]	Text		938
	AccessCode <AccsCd>	[0..1]	Binary		939
	ServerCertificate <SvrCert>	[0..*]	Binary		939
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		939
	ClientCertificate <CIntCert>	[0..*]	Binary		939
	SecurityProfile <SctyPrfl>	[0..1]	Text		939

19.1.6.2.7 Geolocation <Glctn>*Presence:* [0..1]*Definition:* Location of the entity.**Geolocation <Glctn>** contains the following **Geolocation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

19.1.6.2.7.1 GeographicCoordinates <GeogcCordints>*Presence:* [0..1]*Definition:* Geographic location specified by geographic coordinates.

GeographicCoordinates <GeogcCordints> contains the following **GeolocationGeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758

19.1.6.2.7.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Angular distance of a location on the earth south or north of the equator.

The latitude is measured in degrees, minutes and seconds, following by "N" for the north and "S" for the south of the equator. For example: 48°51'29" N the Eiffel Tower latitude.

Datatype: "Max35Text" on page 1088

19.1.6.2.7.1.2 Longitude <Long>

Presence: [1..1]

Definition: Angular measurement of the distance of a location on the earth east or west of the Greenwich observatory.

The longitude is measured in degrees, minutes and seconds, following by "E" for the east and "W" for the west. For example: 23°27'30" E.

Datatype: "Max35Text" on page 1088

19.1.6.2.7.2 UTMCoordinates <UTMCordints>

Presence: [0..1]

Definition: Geographic location specified by UTM coordinates.

UTMCoordinates <UTMCordints> contains the following **GeolocationUTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

19.1.6.2.7.2.1 UTMZone <UTMZone>

Presence: [1..1]

Definition: UTM grid zone combination of the longitude zone (1 to 60) and the latitude band (C to X, excluding I and O).

Datatype: "Max35Text" on page 1088

19.1.6.2.7.2.2 UTMEastward <UTMEstwrdr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator

coordinate system.

Datatype: "Max35Text" on page 1088

19.1.6.2.7.2.3 UTMNorthward <UTMNrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator

coordinate system.

Datatype: "Max35Text" on page 1088

19.1.6.3 GenericIdentification176

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		759
	Type <Tp>	[0..1]	CodeSet		759
	Issuer <Issr>	[0..1]	CodeSet		760
	Country <Ctry>	[0..1]	Text		760
	ShortName <ShrtNm>	[0..1]	Text		760

19.1.6.3.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.3.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType33Code" on page 1053

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.

19.1.6.3.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType33Code" on page 1053

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.

19.1.6.3.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 1091

19.1.6.3.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.4 GenericIdentification90

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		761
	Type <Tp>	[1..1]	CodeSet		761
	Issuer <Issr>	[0..1]	CodeSet		761
	Country <Ctry>	[0..1]	Text		762
	ShortName <ShrtNm>	[0..1]	Text		762

19.1.6.4.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.4.2 Type <Tp>

Presence: [1..1]

Definition: Type of identified entity.

Datatype: "PartyType14Code" on page 1053

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.
ICCA	CardApplication	Application in the smart card.

19.1.6.4.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType4Code" on page 1054

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.

19.1.6.4.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 1091

19.1.6.4.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.5 GenericIdentification36

Definition: Identification using a proprietary scheme.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		762
	Issuer <Issr>	[1..1]	Text		762
	SchemeName <SchmeNm>	[0..1]	Text		763

19.1.6.5.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 1088

19.1.6.5.2 Issuer <Issr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 1088

19.1.6.5.3 SchemeName <SchmeNm>*Presence:* [0..1]*Definition:* Short textual description of the scheme.*Datatype:* "Max35Text" on page 1088**19.1.6.6 GenericIdentification4***Definition:* Information related to an identification, eg, party identification or account identification.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		763
	IdentificationType <IdTp>	[1..1]	Text		763

19.1.6.6.1 Identification <Id>*Presence:* [1..1]*Definition:* Identifier issued to a person for which no specific identifier has been defined.*Datatype:* "Max35Text" on page 1088**19.1.6.6.2 IdentificationType <IdTp>***Presence:* [1..1]*Definition:* Specifies the nature of the identifier.

Usage: IdentificationType is used to specify what kind of identifier is used. It should be used in case the identifier is different from the identifiers listed in the pre-defined identifier list.

Datatype: "Max35Text" on page 1088**19.1.7 Miscellaneous****19.1.7.1 SupplementaryData1***Definition:* Additional information that can not be captured in the structured fields and/or any other specific block.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		763
	Envelope <Envlp>	[1..1]	(External Schema)		764

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.

19.1.7.1.1 PlaceAndName <PlcAndNm>*Presence:* [0..1]

Definition: Unambiguous reference to the location where the supplementary data must be inserted in the message instance.

In the case of XML, this is expressed by a valid XPath.

Datatype: "Max350Text" on page 1088

19.1.7.1.2 Envelope <Envlp>

Presence: [1..1]

Definition: Technical element wrapping the supplementary data.

Type: (External Schema)

Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

19.1.7.2 RetailerPaymentResult6

Definition: Payment Data Results.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		767
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		768
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		769
	RequestedTransaction <ReqdTxx>	[0..1]	±		769
	TransactionResponse <TxRspn>	[0..1]			774
	AuthorisationResult <AuthstnRslt>	[1..1]			777
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		777
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			778
	Response <Rspn>	[1..1]	CodeSet		778
	ResponseReason <RspnRsn>	[0..1]	Text		778
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		778
	AuthorisationCode <AuthstnCd>	[0..1]	Text		778
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		778
	TMSTrigger <TMSTrggr>	[0..1]			779
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		779
	TMSIdentification <TMSId>	[0..1]	Text		779
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		779
	AllowedProductCode <AllwdPdctCd>	[0..*]			779
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		781
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		781
	AmountLimit <AmtLmt>	[0..1]	Amount		781
	QuantityLimit <QtyLmt>	[0..1]	Quantity		781
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		781
	Balance <Bal>	[0..1]	±		783
	ProtectedBalance <PrtctdBal>	[0..1]	±		783

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]	±		785
	RemoteAccess <RmotAccs>	[0..1]	±		786
	Retry <Rtry>	[0..1]	±		786
	TimeCondition <TmCond>	[0..1]	±		786
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			787
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		789
	TargetCurrency <TrgtCcy>	[1..1]			789
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	789
	NumericCode <NmrcCd>	[1..1]	Text		789
	Decimal <Dcml>	[1..1]	Quantity		789
	Name <Nm>	[0..1]	Text		790
	ResultingAmount <RsltAmt>	[0..1]	Amount		790
	ExchangeRate <XchgRate>	[1..1]	Rate		790
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		790
	QuotationDate <QtnDt>	[0..1]	DateTime		790
	ValidFrom <VldFr>	[0..1]	DateTime		790
	ValidUntil <VldUntil>	[0..1]	DateTime		790
	SourceCurrency <SrcCcy>	[1..1]			790
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	791
	NumericCode <NmrcCd>	[0..1]	Text		791
	Decimal <Dcml>	[0..1]	Quantity		791
	Name <Nm>	[0..1]	Text		791
	ApplicableBinRange <AplblBinRg>	[0..*]			791
	LowerBin <LwrBin>	[1..1]	Text		792
	HigherBin <HghrBin>	[1..1]	Text		792
	OriginalAmount <OrgnlAmt>	[0..1]			792
	ActualAmount <ActlAmt>	[0..1]	Amount		792
	MinimumAmount <MinAmt>	[0..1]	Amount		792
	MaximumAmount <MaxAmt>	[0..1]	Amount		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommissionDetails <ComssnDtls>	[0..*]			793
	Amount <Amt>	[1..1]	Amount		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	MarkUpDetails <MrkUpDtls>	[0..*]			793
	Rate <Rate>	[1..1]	Rate		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	DeclarationDetails <DclrtnDtls>	[0..*]	±		793
	CustomerOrder <CstmrOrdr>	[0..*]	±		794
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			795
	ImageFormat <ImgFrmt>	[1..1]	Text		795
	ImageData <ImgData>	[0..1]	Binary		795
	ImageReference <ImgRef>	[0..1]	Text		796
	AdditionalInformation <AddtlInf>	[0..1]	Text		796
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		796
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		796
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	796
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		796

19.1.7.2.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of payment transaction.

Datatype: "CardPaymentServiceType12Code" on page 1035

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.

CodeName	Name	Definition
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.

19.1.7.2.2 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Service provided by the card payment transaction, in addition to the main service.

Datatype: "CardPaymentServiceType9Code" on page 1037

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.

19.1.7.2.3 ServiceAttribute <SvcAttr>

Presence: [0..1]

Definition: Additional attribute of the service type.

Datatype: "CardPaymentServiceType14Code" on page 1036

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.

19.1.7.2.4 RequestedTransaction <ReqdTxx>

Presence: [0..1]

Definition: Data associated with the Transaction.

RequestedTransaction <ReqdTxx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		713
	TransactionType <TxTp>	[1..1]	CodeSet		713
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		714
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		714
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		715
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		715
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		715
	TransactionIdentification <TxId>	[1..1]	±		715
	OriginalTransaction <OrgnlTx>	[0..1]			716
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		718
	TransactionIdentification <TxId>	[1..1]	±		718
	POIIdentification <POIID>	[1..1]	±		718
	CurrencyConversion <CcyConvs>	[0..1]			718
	Result <Rslt>	[1..1]	CodeSet		721
	ResultReason <RsltRsn>	[0..1]	Text		721
	ConversionDetails <ConvsDtls>	[0..*]			721
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		723
	TargetCurrency <TrgtCcy>	[1..1]			723
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	723
	NumericCode <NmrcCd>	[1..1]	Text		723
	Decimal <Dcml>	[1..1]	Quantity		723
	Name <Nm>	[0..1]	Text		723
	ResultingAmount <RsltAmt>	[0..1]	Amount		724
	ExchangeRate <XchgRate>	[1..1]	Rate		724
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		724
	QuotationDate <QtnDt>	[0..1]	DateTime		724
	ValidFrom <VldFr>	[0..1]	DateTime		724
	ValidUntil <VldUntil>	[0..1]	DateTime		724
	SourceCurrency <SrcCcy>	[1..1]			724
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	725

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NumericCode <NmrcCd>	[0..1]	Text		725
	Decimal <Dcml>	[0..1]	Quantity		725
	Name <Nm>	[0..1]	Text		725
	ApplicableBinRange <AplblBinRg>	[0..*]			725
	LowerBin <LwrBin>	[1..1]	Text		726
	HigherBin <HghrBin>	[1..1]	Text		726
	OriginalAmount <OrgnlAmt>	[0..1]			726
	ActualAmount <ActlAmt>	[0..1]	Amount		726
	MinimumAmount <MinAmt>	[0..1]	Amount		726
	MaximumAmount <MaxAmt>	[0..1]	Amount		726
	CommissionDetails <ComssnDtls>	[0..*]			727
	Amount <Amt>	[1..1]	Amount		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	MarkUpDetails <MrkUpDtls>	[0..*]			727
	Rate <Rate>	[1..1]	Rate		727
	AdditionalInformation <AddtlInf>	[0..1]	Text		727
	DeclarationDetails <Dclrtndtls>	[0..*]	±		727
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		728
	IssuerReferenceData <IssrRefData>	[0..1]	Text		728
	IssuerCITIdentification <IssrCITld>	[0..1]	Text		728
	MerchantCITIdentification <MrchntCITld>	[0..1]	Text		728
	TransactionDetails <TxDtls>	[1..1]			729
	Currency <Ccy>	[0..1]	CodeSet	C1	732
	TotalAmount <TtlAmt>	[1..1]	Amount		732
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		732
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		732
	DetailedAmount <DtldAmt>	[0..1]	±		732
	RequestedAmount <ReqdAmt>	[0..1]	Amount		733
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		733
	InvoiceAmount <InvcAmt>	[0..1]	Amount		733
	ValidityDate <VldtyDt>	[0..1]	Date		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		733
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		734
	AccountType <AcctTp>	[0..1]	CodeSet		734
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			735
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		737
	Conversion <Convs>	[0..1]			737
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		739
	TargetCurrency <TrgtCcy>	[1..1]			739
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	739
	NumericCode <NmrcCd>	[1..1]	Text		739
	Decimal <Dcml>	[1..1]	Quantity		739
	Name <Nm>	[0..1]	Text		739
	ResultingAmount <RsltAmt>	[0..1]	Amount		740
	ExchangeRate <XchgRate>	[1..1]	Rate		740
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		740
	QuotationDate <QtnDt>	[0..1]	DateTime		740
	ValidFrom <VldFr>	[0..1]	DateTime		740
	ValidUntil <VldUntil>	[0..1]	DateTime		740
	SourceCurrency <SrcCcy>	[1..1]			740
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	741
	NumericCode <NmrcCd>	[0..1]	Text		741
	Decimal <Dcml>	[0..1]	Quantity		741
	Name <Nm>	[0..1]	Text		741
	ApplicableBinRange <AplblBinRg>	[0..*]			741
	LowerBin <LwrBin>	[1..1]	Text		742
	HigherBin <HghrBin>	[1..1]	Text		742
	OriginalAmount <OrgnlAmt>	[0..1]			742
	ActualAmount <ActlAmt>	[0..1]	Amount		742
	MinimumAmount <MinAmt>	[0..1]	Amount		742
	MaximumAmount <MaxAmt>	[0..1]	Amount		742
	CommissionDetails <ComssnDtls>	[0..*]			743

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	MarkUpDetails <MrkUpDtls>	[0..*]			743
	Rate <Rate>	[1..1]	Rate		743
	AdditionalInformation <AddtlInf>	[0..1]	Text		743
	DeclarationDetails <DclrtnDtls>	[0..*]	±		743
	Instalment <Instlmt>	[0..*]	±		744
	Recurring <Rcrng>	[0..1]	±		745
	AggregationTransaction <AggtTx>	[0..1]	±		746
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		746
	SaleItem <SaleItm>	[0..*]	±		746
	DeliveryLocation <DlvryLctn>	[0..1]	Text		747
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		747
	CompletionSequenceNumber <CmpltnSeqNb>	[0..1]	Quantity		747
	CompletionSequenceCounter <CmpltnSeqCnt>	[0..1]	Quantity		747
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		748
	AdditionalInformation <AddtlInf>	[0..*]			748
	Identification <Id>	[1..1]	Text		748
	Value <Val>	[0..1]	Binary		748
	ProtectedValue <PrctdVal>	[0..1]	±		748
	Type <Tp>	[0..1]	Text		749
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		749
	AuthorisationResult <AuthstnRslt>	[0..1]			749
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		749
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			750
	Response <Rspn>	[1..1]	CodeSet		750
	ResponseReason <RspnRsn>	[0..1]	Text		750
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		751
	AuthorisationCode <AuthstnCd>	[0..1]	Text		751
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		751
	CustomerOrder <CstmrOrd>	[0..1]	±		751

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerToken <CstmrTkn>	[0..1]	±		751
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		752
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		752
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		752
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		753
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		753
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		753

19.1.7.2.5 TransactionResponse <TxRspn>

Presence: [0..1]

Definition: Result of the transaction processing.

TransactionResponse <TxRspn> contains the following **CardPaymentTransaction132** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationResult <AuthstnRslt>	[1..1]			777
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		777
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			778
	Response <Rspn>	[1..1]	CodeSet		778
	ResponseReason <RspnRsn>	[0..1]	Text		778
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		778
	AuthorisationCode <AuthstnCd>	[0..1]	Text		778
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		778
	TMSTrigger <TMSTrggr>	[0..1]			779
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		779
	TMSIdentification <TMSId>	[0..1]	Text		779
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		779
	AllowedProductCode <AllwdPdctCd>	[0..*]			779
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780
	AdditionalAvailableProduct <AddtlAvblPdct>	[0..*]			780
	ProductCode <PdctCd>	[1..1]	Text		781
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		781
	AmountLimit <AmtLmt>	[0..1]	Amount		781
	QuantityLimit <QtyLmt>	[0..1]	Quantity		781
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		781
	Balance <Bal>	[0..1]	±		783
	ProtectedBalance <PrctcdBal>	[0..1]	±		783
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]	±		785
	RemoteAccess <RmotAccs>	[0..1]	±		786
	Retry <Rtry>	[0..1]	±		786

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TimeCondition <TmCond>	[0..1]	±		786
	CurrencyConversionEligibility <CcyConvslElgblty>	[0..1]			787
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		789
	TargetCurrency <TrgtCcy>	[1..1]			789
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	789
	NumericCode <NmrcCd>	[1..1]	Text		789
	Decimal <Dcml>	[1..1]	Quantity		789
	Name <Nm>	[0..1]	Text		790
	ResultingAmount <RsltAmt>	[0..1]	Amount		790
	ExchangeRate <XchgRate>	[1..1]	Rate		790
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		790
	QuotationDate <QtnDt>	[0..1]	DateTime		790
	ValidFrom <VldFr>	[0..1]	DateTime		790
	ValidUntil <VldUntil>	[0..1]	DateTime		790
	SourceCurrency <SrcCcy>	[1..1]			790
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	791
	NumericCode <NmrcCd>	[0..1]	Text		791
	Decimal <Dcml>	[0..1]	Quantity		791
	Name <Nm>	[0..1]	Text		791
	ApplicableBinRange <AplblBinRg>	[0..*]			791
	LowerBin <LwrBin>	[1..1]	Text		792
	HigherBin <HghrBin>	[1..1]	Text		792
	OriginalAmount <OrgnlAmt>	[0..1]			792
	ActualAmount <ActlAmt>	[0..1]	Amount		792
	MinimumAmount <MinAmt>	[0..1]	Amount		792
	MaximumAmount <MaxAmt>	[0..1]	Amount		792
	CommissionDetails <ComssnDtls>	[0..*]			793
	Amount <Amt>	[1..1]	Amount		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	MarkUpDetails <MrkUpDtls>	[0..*]			793
	Rate <Rate>	[1..1]	Rate		793

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	DeclarationDetails <DclrtnDtls>	[0..*]	±		793

19.1.7.2.5.1 AuthorisationResult <AuthstnRslt>

Presence: [1..1]

Definition: Outcome of the authorisation, and actions to perform.

AuthorisationResult <AuthstnRslt> contains the following **AuthorisationResult17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		777
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			778
	Response <Rspn>	[1..1]	CodeSet		778
	ResponseReason <RspnRsn>	[0..1]	Text		778
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		778
	AuthorisationCode <AuthstnCd>	[0..1]	Text		778
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		778
	TMSTrigger <TMSTrggr>	[0..1]			779
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		779
	TMSIdentification <TMSId>	[0..1]	Text		779
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		779

19.1.7.2.5.1.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

AuthorisationEntity <AuthstnNtty> contains the following elements (see "[GenericIdentification90](#)" on page 761 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		761
	Type <Tp>	[1..1]	CodeSet		761
	Issuer <Issr>	[0..1]	CodeSet		761
	Country <Ctry>	[0..1]	Text		762
	ShortName <ShrtNm>	[0..1]	Text		762

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		778
	ResponseReason <RspnRsn>	[0..1]	Text		778
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		778

19.1.7.2.5.1.2.1 Response <Rspn>*Presence:* [1..1]*Definition:* Result of the transaction.*Datatype:* "Response9Code" on page 1062

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).

19.1.7.2.5.1.2.2 ResponseReason <RspnRsn>*Presence:* [0..1]*Definition:* Detailed result of the transaction.*Datatype:* "Max35Text" on page 1088**19.1.7.2.5.1.2.3 AdditionalResponseInformation <AddtlRspnInf>***Presence:* [0..1]*Definition:* Additional information on the response for further examination.*Datatype:* "Max140Text" on page 1086**19.1.7.2.5.1.3 AuthorisationCode <AuthstnCd>***Presence:* [0..1]*Definition:* Value assigned by the authorising party.*Datatype:* "Max8Text" on page 1090**19.1.7.2.5.1.4 CompletionRequired <CmpltnReqrd>***Presence:* [0..1]

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

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1083):

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

19.1.7.2.5.1.5 TMSTrigger <TMSTrggr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		779
	TMSIdentification <TMSId>	[0..1]	Text		779
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		779

19.1.7.2.5.1.5.1 TMSContactLevel <TMSCtctLvl>

Presence: [1..1]

Definition: Level of urgency in contacting the maintenance.

Datatype: ["TMSContactLevel1Code"](#) on page 1076

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.

19.1.7.2.5.1.5.2 TMSIdentification <TMSId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 1088

19.1.7.2.5.1.5.3 TMSContactDateTime <TMSCtctDtTm>

Presence: [0..1]

Definition: Date and time for calling the maintenance.

Datatype: ["ISODatetime"](#) on page 1081

19.1.7.2.5.2 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		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780

19.1.7.2.5.2.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code.

Datatype: "Max70Text" on page 1090

19.1.7.2.5.2.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 1090

19.1.7.2.5.3 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		780
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		780

19.1.7.2.5.3.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code.

Datatype: "Max70Text" on page 1090

19.1.7.2.5.3.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 1090

19.1.7.2.5.4 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		781
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		781
	AmountLimit <AmtLmt>	[0..1]	Amount		781
	QuantityLimit <QtyLmt>	[0..1]	Quantity		781
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		781

19.1.7.2.5.4.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 1090

19.1.7.2.5.4.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 1090

19.1.7.2.5.4.3 AmountLimit <AmtLmt>

Presence: [0..1]

Definition: Amount limit for the product.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.2.5.4.4 QuantityLimit <QtyLmt>

Presence: [0..1]

Definition: Quantity limit for the product.

Datatype: "DecimalNumber" on page 1084

19.1.7.2.5.4.5 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure6Code" on page 1079

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.

19.1.7.2.5.5 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 702 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		702
	Currency <Ccy>	[1..1]	CodeSet	C1	703
	Sign <Sgn>	[0..1]	Indicator		703

19.1.7.2.5.6 ProtectedBalance <PrctcdBal>

Presence: [0..1]

Definition: Encrypted balance of the account.

ProtectedBalance <PrctcdBal> contains the following elements (see "[ContentInformationType40](#)" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.7.2.5.7 Action <Actn>*Presence:* [0..*]*Definition:* Set of actions to be performed by the POI (Point Of Interaction) system.**Action <Actn>** contains the following **Action15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]	±		785
	RemoteAccess <RmotAccs>	[0..1]	±		786
	Retry <Rtry>	[0..1]	±		786
	TimeCondition <TmCond>	[0..1]	±		786

19.1.7.2.5.7.1 ActionType <ActnTp>*Presence:* [1..1]*Definition:* Type of action to be performed by the POI (Point Of Interaction) system.*Datatype:* "ActionType13Code" on page 1016

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

CodeName	Name	Definition
		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.
ACUP	AccountUpdate	Indicates that the account was updated and should be taken into account for future authorisation.
TALT	TryAgainLater	Indicates that the authorization should be resubmitted at a later time.
DNTA	DoNotTryAgain	Indicates that this account shouldn't be used anymore.

19.1.7.2.5.7.2 MessageToPresent <MsgToPres>

Presence: [0..1]

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

MessageToPresent <MsgToPres> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.7.2.5.7.3 RemoteAccess <RmotAccs>*Presence:* [0..1]*Definition:* Access information to reach the target host.**RemoteAccess <RmotAccs>** contains the following elements (see "[NetworkParameters7](#)" on [page 937](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			938
	NetworkType <NtwkTp>	[1..1]	CodeSet		938
	AddressValue <AdrVal>	[1..1]	Text		938
	UserName <UsrNm>	[0..1]	Text		938
	AccessCode <AccsCd>	[0..1]	Binary		939
	ServerCertificate <SvrCert>	[0..*]	Binary		939
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		939
	ClientCertificate <CIntCert>	[0..*]	Binary		939
	SecurityProfile <SctyPrfl>	[0..1]	Text		939

19.1.7.2.5.7.4 Retry <Rtry>*Presence:* [0..1]*Definition:* Definition of retry process if activation of an action fails.**Retry <Rtry>** contains the following elements (see "[ProcessRetry3](#)" on [page 1006](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Delay <Dely>	[1..1]	Text		1006
	MaximumNumber <MaxNb>	[0..1]	Quantity		1006
	UnitOfTime <UnitOfTm>	[0..1]	CodeSet		1006

19.1.7.2.5.7.5 TimeCondition <TmCond>*Presence:* [0..1]*Definition:* Timing condition for periodic exchanges.**TimeCondition <TmCond>** contains the following elements (see "[ProcessTiming6](#)" on [page 1007](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StartTime <StartTm>	[0..1]	DateTime		1007
	EndTime <EndTm>	[0..1]	DateTime		1007
	Period <Prd>	[0..1]	Text		1007
	UnitOfTime <UnitOfTm>	[0..1]	CodeSet		1007

19.1.7.2.5.8 CurrencyConversionEligibility <CcyConvsElgblty>

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 **CurrencyConversion29** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		789
	TargetCurrency <TrgtCcy>	[1..1]			789
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	789
	NumericCode <NmrcCd>	[1..1]	Text		789
	Decimal <Dcml>	[1..1]	Quantity		789
	Name <Nm>	[0..1]	Text		790
	ResultingAmount <RsltAmt>	[0..1]	Amount		790
	ExchangeRate <XchgRate>	[1..1]	Rate		790
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		790
	QuotationDate <QtnDt>	[0..1]	DateTime		790
	ValidFrom <VldFr>	[0..1]	DateTime		790
	ValidUntil <VldUntil>	[0..1]	DateTime		790
	SourceCurrency <SrcCcy>	[1..1]			790
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	791
	NumericCode <NmrcCd>	[0..1]	Text		791
	Decimal <Dcml>	[0..1]	Quantity		791
	Name <Nm>	[0..1]	Text		791
	ApplicableBinRange <AplblBinRg>	[0..*]			791
	LowerBin <LwrBin>	[1..1]	Text		792
	HigherBin <HghrBin>	[1..1]	Text		792
	OriginalAmount <OrgnlAmt>	[0..1]			792
	ActualAmount <ActlAmt>	[0..1]	Amount		792
	MinimumAmount <MinAmt>	[0..1]	Amount		792
	MaximumAmount <MaxAmt>	[0..1]	Amount		792
	CommissionDetails <ComssnDtls>	[0..*]			793
	Amount <Amt>	[1..1]	Amount		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793
	MarkUpDetails <MrkUpDtls>	[0..*]			793
	Rate <Rate>	[1..1]	Rate		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeclarationDetails <DclrtnDtls>	[0..*]	±		793

19.1.7.2.5.8.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

19.1.7.2.5.8.2 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	789
	NumericCode <NmrcCd>	[1..1]	Text		789
	Decimal <Dcml>	[1..1]	Quantity		789
	Name <Nm>	[0..1]	Text		790

19.1.7.2.5.8.2.1 AlphaCode <AlphaCd>

Presence: [1..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

19.1.7.2.5.8.2.2 NumericCode <NmrcCd>

Presence: [1..1]

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

Datatype: "Exact3NumericText" on page 1085

19.1.7.2.5.8.2.3 Decimal <Dcml>

Presence: [1..1]

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

Datatype: "Number" on page 1084

19.1.7.2.5.8.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1088

19.1.7.2.5.8.3 ResultingAmount <RsltgAmt>

Presence: [0..1]

Definition: Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.2.5.8.4 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 1085

19.1.7.2.5.8.5 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 1085

19.1.7.2.5.8.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 1081

19.1.7.2.5.8.7 ValidFrom <VldFr>

Presence: [0..1]

Definition: Specifies when the currency conversion could start.

Datatype: "ISODateTime" on page 1081

19.1.7.2.5.8.8 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 1081

19.1.7.2.5.8.9 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	791
	NumericCode <NmrcCd>	[0..1]	Text		791
	Decimal <Dcml>	[0..1]	Quantity		791
	Name <Nm>	[0..1]	Text		791

19.1.7.2.5.8.9.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

19.1.7.2.5.8.9.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1085

19.1.7.2.5.8.9.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1084

19.1.7.2.5.8.9.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1088

19.1.7.2.5.8.10 ApplicableBinRange <AplBlBinRg>

Presence: [0..*]

Definition: Range of Bin for which the conversion is possible.

ApplicableBinRange <ApIblBinRg> contains the following **BinRange1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LowerBin <LwrBin>	[1..1]	Text		792
	HigherBin <HghrBin>	[1..1]	Text		792

19.1.7.2.5.8.10.1 LowerBin <LwrBin>

Presence: [1..1]

Definition: Lower value of BIN in the range.

Datatype: "Max15NumericText" on page 1086

19.1.7.2.5.8.10.2 HigherBin <HghrBin>

Presence: [1..1]

Definition: Higher value of BIN in the range.

Datatype: "Max15NumericText" on page 1086

19.1.7.2.5.8.11 OriginalAmount <OrgnlAmt>

Presence: [0..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		792
	MinimumAmount <MinAmt>	[0..1]	Amount		792
	MaximumAmount <MaxAmt>	[0..1]	Amount		792

19.1.7.2.5.8.11.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.2.5.8.11.2 MinimumAmount <MinAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.2.5.8.11.3 MaximumAmount <MaxAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.2.5.8.12 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		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793

19.1.7.2.5.8.12.1 Amount <Amt>*Presence:* [1..1]*Definition:* Commission expressed as an amount of money.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.7.2.5.8.12.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of commission.*Datatype:* "Max350Text" on page 1088**19.1.7.2.5.8.13 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		793
	AdditionalInformation <AddtlInf>	[0..1]	Text		793

19.1.7.2.5.8.13.1 Rate <Rate>*Presence:* [1..1]*Definition:* Commission expressed as a percentage.*Datatype:* "PercentageRate" on page 1085**19.1.7.2.5.8.13.2 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information about the type of markup.*Datatype:* "Max350Text" on page 1088**19.1.7.2.5.8.14 DeclarationDetails <DclrtnDtls>***Presence:* [0..*]*Definition:* Card scheme declaration (disclaimer) to present to the cardholder.

DeclarationDetails <DclRtnDtIs> contains the following elements (see "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.7.2.6 CustomerOrder <CstmrOrdr>

Presence: [0..*]

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

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

19.1.7.2.7 ImageCapturedSignature <ImgCaptrdSgntr>

Presence: [0..1]

Definition: Numeric value of a handwritten signature.

ImageCapturedSignature <ImgCaptrdSgntr> contains the following **CapturedSignature1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ImageFormat <ImgFrmt>	[1..1]	Text		795
	ImageData <ImgData>	[0..1]	Binary		795
	ImageReference <ImgRef>	[0..1]	Text		796
	AdditionalInformation <AddtlInf>	[0..1]	Text		796

19.1.7.2.7.1 ImageFormat <ImgFrmt>

Presence: [1..1]

Definition: Format of the image.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.2.7.2 ImageData <ImgData>

Presence: [0..1]

Definition: Data of the image.

Datatype: "[Max2MBBinary](#)" on page 1015

19.1.7.2.7.3 ImageReference <ImgRef>*Presence:* [0..1]*Definition:* URL or name of the image.*Datatype:* "Max500Text" on page 1089**19.1.7.2.7.4 AdditionalInformation <AddtlInf>***Presence:* [0..1]*Definition:* Additional information for the image.*Datatype:* "Max140Text" on page 1086**19.1.7.2.8 ProtectedCapturedSignature <PrctcdCaptrdSgntr>***Presence:* [0..1]*Definition:* Protected value of a handwritten signature.**ProtectedCapturedSignature <PrctcdCaptrdSgntr>** contains the following elements (see "ContentInformationType40" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.7.2.9 MerchantOverrideFlag <MrchntOvrrdFlg>*Presence:* [0..1]*Definition:* Indicate that the Merchant forced the result of the payment to successful.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1083):

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

19.1.7.2.10 CustomerLanguage <CstmrLang>*Presence:* [0..1]*Definition:* Language used to display messages to the customer.*Impacted by:* C6 "ValidationByTable"*Datatype:* "LanguageCode" on page 1048**Constraints**

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

19.1.7.2.11 OnlineFlag <OnlnFlg>*Presence:* [0..1]*Definition:* Indicate that the payment transaction processing has required the approval of an acquirer.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1083):

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

19.1.7.3 RecurringTransaction6

Definition: Element related to recurring transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlanIdentification <PlanId>	[0..1]	Text		797
	SequenceNumber <SeqNb>	[0..1]	Quantity		797
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		797
	GracePeriod <GracePrd>	[0..*]	±		798
	PlanNotice <PlanNtce>	[0..*]	±		798

19.1.7.3.1 PlanIdentification <PlanId>

Presence: [0..1]

Definition: Identification of the recurring plan.

Datatype: ["Max35Text"](#) on page 1088

19.1.7.3.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Indicates the recurring occurrence of the transaction (1 = 1st recurring, 2 = 2nd recurring, etc.).

Datatype: ["Number"](#) on page 1084

19.1.7.3.3 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period unit between consecutive payments (for example day, month, year).

Datatype: ["Frequency3Code"](#) on page 1044

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.

CodeName	Name	Definition
TEND	TenDays	Event takes place every ten business days.

19.1.7.3.4 GracePeriod <GracePrd>

Presence: [0..*]

Definition: Contains grace period details.

GracePeriod <GracePrd> contains the following elements (see "[GracePeriod1](#)" on page 707 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		707
	UnitType <UnitTp>	[1..1]	CodeSet		707
	OtherUnitType <OthrUnitTp>	[0..1]	Text		708

19.1.7.3.5 PlanNotice <PlanNtce>

Presence: [0..*]

Definition: Notice related to the RecurringPlan.

PlanNotice <PlanNtce> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.7.4 Instalment5

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		799
	PlanIdentification <PlanId>	[0..1]	Text		800
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		800
	SequenceNumber <SeqNb>	[0..1]	Quantity		800
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		800
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		801
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		801
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		801
	TotalAmount <TtlAmt>	[0..1]	Amount	C1, C4	801
	FirstAmount <FrstAmt>	[0..1]	Amount		801
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		802
	LastAmount <LastAmt>	[0..1]	Amount		802
	Charges <Chrgs>	[0..1]	Amount		802
	DetailedCharges <DtldChrgs>	[0..*]	±		802
	InterestRate <IntrstRate>	[0..*]			802
	Type <Tp>	[0..1]	CodeSet		803
	OtherType <OthrTp>	[0..1]	Text		803
	Period <Prd>	[1..1]	CodeSet		803
	Rate <Rate>	[1..1]	Rate		803
	GracePeriod <GracePrd>	[0..*]	±		803
	PlanNotice <PlanNtce>	[0..*]	±		804

19.1.7.4.1 InstalmentPlan <InstlmtPlan>

Presence: [0..*]

Definition: Type of instalment plan.

Datatype: "InstalmentPlan1Code" on page 1047

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.

CodeName	Name	Definition
DFRI	DeferredInstalment	The first instalment is deferred.

19.1.7.4.2 PlanIdentification <PlanId>

Presence: [0..1]

Definition: Identification of the instalment plan.

Datatype: "Max35Text" on page 1088

19.1.7.4.3 PlanOwner <PlanOwnr>

Presence: [0..1]

Definition: Type of the Plan Owner.

Datatype: "PlanOwner1Code" on page 1056

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.

19.1.7.4.4 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Indicates the instalment occurrence of the transaction (1 = 1st instalment, 2 = 2nd instalment, etc.).

Datatype: "Number" on page 1084

19.1.7.4.5 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period unit between consecutive payments (for example day, month, year).

Datatype: "Frequency3Code" on page 1044

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.

CodeName	Name	Definition
TEND	TenDays	Event takes place every ten business days.

19.1.7.4.6 InstalmentPeriod <InstlmtPrd>

Presence: [0..1]

Definition: Number of period units between consecutive payments.

Datatype: "Number" on page 1084

19.1.7.4.7 TotalNumberOfPayments <TtlNbOfPmts>

Presence: [0..1]

Definition: Total number of instalment payments.

Datatype: "Number" on page 1084

19.1.7.4.8 FirstPaymentDate <FrstPmtDt>

Presence: [0..1]

Definition: Date of the first payment.

Datatype: "ISODate" on page 1081

19.1.7.4.9 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Cumulative amount of all the instalments.

Impacted by: C1 "ActiveCurrency", C4 "CurrencyAmount"

Datatype: "ActiveCurrencyAndAmount" on page 1013

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.

- **CurrencyAmount**

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

19.1.7.4.10 FirstAmount <FrstAmt>

Presence: [0..1]

Definition: Amount of the first payment.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.4.11 SubsequentAmount <SbsqntAmt>*Presence:* [0..1]*Definition:* Amount of subsequent payments but the first one.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.7.4.12 LastAmount <LastAmt>***Presence:* [0..1]*Definition:* Amount of the last payment.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.7.4.13 Charges <Chrgs>***Presence:* [0..1]*Definition:* Charges related to the transaction.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.7.4.14 DetailedCharges <DtldChrgs>***Presence:* [0..*]*Definition:* Contains the charge details of an instalment plan.**DetailedCharges <DtldChrgs>** contains the following elements (see "InstalmentAmountDetails1" on page 703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		703
	OtherType <OthrTp>	[0..1]	Text		704
	SubType <SubTp>	[0..1]	Text		704
	Amount <Amt>	[0..1]	±		704
	Percentage <Pctg>	[0..1]	Rate		704

19.1.7.4.15 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		803
	OtherType <OthrTp>	[0..1]	Text		803
	Period <Prd>	[1..1]	CodeSet		803
	Rate <Rate>	[1..1]	Rate		803

19.1.7.4.15.1 Type <Tp>*Presence:* [0..1]*Definition:* Interest rate applicable to the instalment.*Datatype:* "InterestRate1Code" on page 1047

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

19.1.7.4.15.2 OtherType <OthrTp>*Presence:* [0..1]*Definition:* Other type of interest applied to the instalment, when Type is OtherNational or OtherPrivate.*Datatype:* "Max35Text" on page 1088**19.1.7.4.15.3 Period <Prd>***Presence:* [1..1]*Definition:* Contains instalment period*Datatype:* "InstalmentPeriod1Code" on page 1047

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

19.1.7.4.15.4 Rate <Rate>*Presence:* [1..1]*Definition:* Rate expressed as a decimal, example, 0.7 is 7/10 and 70%.*Datatype:* "BaseOneRate" on page 1084**19.1.7.4.16 GracePeriod <GracePrd>***Presence:* [0..*]*Definition:* Contains grace period details.**GracePeriod <GracePrd>** contains the following elements (see "GracePeriod1" on page 707 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		707
	UnitType <UnitTp>	[1..1]	CodeSet		707
	OtherUnitType <OthrUnitTp>	[0..1]	Text		708

19.1.7.4.17 PlanNotice <PlanNtce>*Presence:* [0..*]*Definition:* Notice related to the InstalmentPlan.**PlanNotice <PlanNtce>** contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstrn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.7.5 PaymentReceipt6*Definition:* Customer or merchant receipts generated by the POI system.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		804
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		805
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		805
	OutputContent <OutptCntt>	[1..1]	±		805

19.1.7.5.1 DocumentQualifier <DocQlfr>*Presence:* [1..1]*Definition:* Qualification of the document to print to the Cashier or the Customer.*Datatype:* "[DocumentType7Code](#)" on page 1042

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.

19.1.7.5.2 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 1083](#)):

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

19.1.7.5.3 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 1083](#)):

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

19.1.7.5.4 OutputContent <OutptCntt>

Presence: [1..1]

Definition: Document to print.

OutputContent <OutptCntt> contains the following elements (see "ActionMessage11" on page 862 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.7.6 CardPaymentEnvironment80

Definition: Environment of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		812
	ServiceProvider <SvcPrvdr>	[0..1]	±		812
	Merchant <Mrchnt>	[0..1]			813
	Identification <Id>	[0..1]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814
	POI <POI>	[0..1]			814
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <GrpId>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817
	Card <Card>	[0..1]			819
	ProtectedCardData <PrtctdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrdhldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822
	MaskedPAN <MskdPAN>	[0..1]	Text		823

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824
	Check <Chck>	[0..1]			824
	BankIdentification <Bkld>	[0..1]	Text		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827
	StoredValueAccount <StordValAcct>	[0..*]			827
	AccountType <AcctTp>	[0..1]	CodeSet		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829
	EntryMode <NtryMd>	[0..1]	CodeSet		829

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830
	LoyaltyAccount <LtyAcct>	[0..*]	±		830
	CustomerDevice <CstmrDvc>	[0..1]	±		831
	Wallet <Wlt>	[0..1]	±		831
	PaymentToken <PmtTkn>	[0..1]	±		831
	MerchantToken <MrchntTkn>	[0..1]	±		832
	Cardholder <Crdhldr>	[0..1]			832
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <SciSctyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839
	Name <Nm>	[0..1]	Text		839

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <CrdhldrId>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <DrvrId>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctcdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857
	UTMCoordinates <UTMCordints>	[0..1]			858

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859
	ProtectedCardholderData <PrtctdCrhdldrData>	[0..1]	±		859
	SaleEnvironment <SaleEnv>	[0..1]			860
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSplAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

19.1.7.6.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer involved in the card payment.

Acquirer <Acqrr> contains the following elements (see "Acquirer10" on page 638 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		638
	ParametersVersion <ParamsVrsn>	[0..1]	Text		638

19.1.7.6.2 ServiceProvider <SvcPrvdr>

Presence: [0..1]

Definition: Third party agent which provides services.

ServiceProvider <SvcPrvdr> contains the following elements (see "[Acquirer10](#)" on page 638 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		638
	ParametersVersion <ParamsVrsn>	[0..1]	Text		638

19.1.7.6.3 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]	±		813
	CommonName <CmonNm>	[0..1]	Text		813
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		813
	LocationAndContact <LctnAndCtct>	[0..1]	±		814
	SchemeData <SchmeData>	[0..1]	Text		814

19.1.7.6.3.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the merchant.

Identification <Id> contains the following elements (see "[GenericIdentification32](#)" on page 753 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		753
	Type <Tp>	[0..1]	CodeSet		753
	Issuer <Issr>	[0..1]	CodeSet		754
	ShortName <ShrtNm>	[0..1]	Text		754

19.1.7.6.3.2 CommonName <CmonNm>

Presence: [0..1]

Definition: Name of the merchant as appearing on the receipt.

Datatype: "[Max70Text](#)" on page 1090

19.1.7.6.3.3 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Location category of the place where the merchant actually performed the transaction.

Datatype: "LocationCategory4Code" on page 1049

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.

19.1.7.6.3.4 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 701 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PostalAddress <PstlAdr>	[0..1]	±		701
	Email <Email>	[0..1]	Text		701
	URLAddress <URLAdr>	[0..1]	Text		702
	Phone <Phne>	[0..1]	Text		702
	CustomerService <CstmrSvc>	[0..1]	Text		702
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		702

19.1.7.6.3.5 SchemeData <SchmeData>

Presence: [0..1]

Definition: Additional merchant data required by a card scheme.

Datatype: "Max140Text" on page 1086

19.1.7.6.4 POI <POI>

Presence: [0..1]

Definition: Point of interaction (POI) performing the transaction.

POI <POI> contains the following **PointOfInteraction14** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	±		815
	SystemName <SysNm>	[0..1]	Text		815
	GroupIdentification <GrpId>	[0..1]	Text		816
	Capabilities <Cpblties>	[0..1]	±		816
	TimeZone <TmZone>	[0..1]	Text		816
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		816
	Component <Cmpnt>	[0..*]	±		817

19.1.7.6.4.1 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 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwr>	[1..1]	Text		759

19.1.7.6.4.2 SystemName <SysNm>

Presence: [0..1]

Definition: Common name assigned by the acquirer to the POI (Point Of Interaction) system.

Datatype: "[Max70Text](#)" on page 1090

19.1.7.6.4.3 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 1088**19.1.7.6.4.4 Capabilities <Cpblties>***Presence:* [0..1]*Definition:* Capabilities of the POI (Point Of Interaction) performing the transaction.**Capabilities <Cpblties>** contains the following elements (see "PointOfInteractionCapabilities9" on page 914 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		915
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		915
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		916
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		916
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		916
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		916
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		916
	MessageCapabilities <MsgCpblties>	[0..*]			917
	Destination <Dstn>	[1..*]	CodeSet		917
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		917
	NumberOfLines <NbOfLines>	[0..1]	Quantity		918
	LineWidth <LineWidth>	[0..1]	Quantity		918
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	918

19.1.7.6.4.5 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 1090**19.1.7.6.4.6 TerminalIntegration <TermnlIntgtn>***Presence:* [0..1]*Definition:* Indicates the type of integration of the POI terminal in the sale environment.*Datatype:* "LocationCategory3Code" on page 1048

CodeName	Name	Definition
INDR	Indoor	Indoor terminal.
IPMP	InsidePump	Terminal incorporated in the pump dispensing petrol.
MPOI	MultiplePOITerminal	Multiple terminals linked to a unique sale terminal.
MPMP	MultiplePump	Outdoor terminal serving several petrol pumps.
MSLE	MultipleSaleTerminal	Terminal serving multiple sale terminals.
SSLE	SingleSaleTerminal	Terminal linked to a unique sale terminal.
VNDG	VendingMachine	Terminal integrated in a vending machine.

19.1.7.6.4.7 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 "PointOfInteractionComponent15" on page 867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		869
	SubTypeInfo <SubTpInf>	[0..1]	Text		870
	Identification <Id>	[1..1]			871
	ItemNumber <ItmNb>	[0..1]	Text		871
	ProviderIdentification <PrvdrId>	[0..1]	Text		871
	Identification <Id>	[0..1]	Text		871
	SerialNumber <SrlNb>	[0..1]	Text		871
	Status <Sts>	[0..1]			871
	VersionNumber <VrsnNb>	[0..1]	Text		872
	Status <Sts>	[0..1]	CodeSet		872
	ExpiryDate <XpryDt>	[0..1]	Date		872
	StandardCompliance <StdCmplc>	[0..*]			872
	Identification <Id>	[1..1]	Text		872
	Version <Vrsn>	[1..1]	Text		873
	Issuer <Issr>	[1..1]	Text		873
	Characteristics <Chrtcs>	[0..1]			873
	Memory <Mmry>	[0..*]			874
	Identification <Id>	[1..1]	Text		875
	TotalSize <TtlSz>	[1..1]	Quantity		875
	FreeSize <FreeSz>	[1..1]	Quantity		875
	Unit <Unit>	[1..1]	CodeSet		875
	Communication <Com>	[0..*]			875
	CommunicationType <ComTp>	[1..1]	CodeSet		876
	RemoteParty <RmotPty>	[1..*]	CodeSet		877
	Active <Actv>	[1..1]	Indicator		877
	Parameters <Params>	[0..1]	±		877
	PhysicalInterface <PhysIntrfc>	[0..1]			878
	InterfaceName <IntrfcNm>	[1..1]	Text		878
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		878
	UserName <UsrNm>	[0..1]	Text		879

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		879
	SecurityProfile <SctyPrfl>	[0..1]	Text		879
	AdditionalParameters <AddtlParams>	[0..1]	Binary		879
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		880
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		880
	SecurityElement <SctyElmt>	[0..*]	±		880
	Assessment <Assmnt>	[0..*]			881
	Type <Tp>	[1..1]	CodeSet		882
	Assigner <Assgnr>	[1..*]	Text		882
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		882
	ExpirationDate <XprtnDt>	[0..1]	DateTime		882
	Number <Nb>	[1..1]	Text		882
	Package <Packg>	[0..*]			883
	PackageIdentification <PackgId>	[0..1]	±		883
	PackageLength <PackgLngh>	[0..1]	Quantity		883
	OffsetStart <OffsetStart>	[0..1]	Quantity		883
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		884
	PackageBlock <PackgBlck>	[0..*]			884
	Identification <Id>	[1..1]	Text		884
	Value <Val>	[0..1]	Binary		884
	ProtectedValue <PrctcdVal>	[0..1]	±		884
	Type <Tp>	[0..1]	Text		885

19.1.7.6.5 Card <Card>

Presence: [0..1]

Definition: Payment card performing the transaction.

Card <Card> contains the following **PaymentCard35** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedCardData <PrtctdCardData>	[0..1]	±		820
	PrivateCardData <PrvtCardData>	[0..1]	Binary		821
	PlainCardData <PlainCardData>	[0..1]			821
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrdhldrNm>	[0..1]	Text		822
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		822
	MaskedPAN <MskdPAN>	[0..1]	Text		823
	IssuerBIN <IssrBIN>	[0..1]	Text		823
	CardCountryCode <CardCtryCd>	[0..1]	Text		823
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		823
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		823
	CardBrand <CardBrnd>	[0..1]	Text		823
	CardProductType <CardPdctTp>	[0..1]	CodeSet		823
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		824
	InternationalCard <IntrnlCard>	[0..1]	Indicator		824
	AllowedProduct <AllwdPdct>	[0..*]	Text		824
	ServiceOption <SvcOptn>	[0..1]	Text		824
	AdditionalCardData <AddtlCardData>	[0..1]	Text		824

19.1.7.6.5.1 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 "ContentInformationType40" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.7.6.5.2 PrivateCardData <PrvtCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a private envelope.

Datatype: "Max100KBBinary" on page 1014

19.1.7.6.5.3 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData22** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		821
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		821
	EffectiveDate <FctvDt>	[0..1]	Text		821
	ExpiryDate <XpryDt>	[0..1]	Text		822
	ServiceCode <SvcCd>	[0..1]	Text		822
	Track1 <Trck1>	[0..1]	Text		822
	Track2 <Trck2>	[0..1]	Text		822
	Track3 <Trck3>	[0..1]	Text		822
	CardholderName <CrdhldrNm>	[0..1]	Text		822

19.1.7.6.5.3.1 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 1091

19.1.7.6.5.3.2 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 1091

19.1.7.6.5.3.3 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 1086

19.1.7.6.5.3.4 ExpiryDate <XpryDt>

Presence: [0..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 1086

19.1.7.6.5.3.5 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Services attached to the card, as defined in ISO 7813.

Datatype: "Exact3NumericText" on page 1085

19.1.7.6.5.3.6 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 1090

19.1.7.6.5.3.7 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 1088

19.1.7.6.5.3.8 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 1086

19.1.7.6.5.3.9 CardholderName <CrdhldrNm>

Presence: [0..1]

Definition: Name of the cardholder stored on the card.

Datatype: "Max45Text" on page 1089

19.1.7.6.5.4 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 1090

19.1.7.6.5.5 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 1087

19.1.7.6.5.6 IssuerBIN <IssrBIN>

Presence: [0..1]

Definition: Bank identifier number of the issuer for routing purpose.

Datatype: "Max15NumericText" on page 1086

19.1.7.6.5.7 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1089

19.1.7.6.5.8 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1085

19.1.7.6.5.9 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 1088

19.1.7.6.5.10 CardBrand <CardBrnd>

Presence: [0..1]

Definition: Brand name of the card.

Datatype: "Max35Text" on page 1088

19.1.7.6.5.11 CardProductType <CardPdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "CardProductType1Code" on page 1038

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

CodeName	Name	Definition
		expenses or a self employed for business purposes.
CONS	ConsumerCard	Cards issued as a means of personal expenditure. The user is always an individual.

19.1.7.6.5.12 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Additional information to identify CardProduct.

Datatype: "Max35Text" on page 1088

19.1.7.6.5.13 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 1083):

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

19.1.7.6.5.14 AllowedProduct <AllwdPdct>

Presence: [0..*]

Definition: Product that can be purchased with the card.

Datatype: "Max70Text" on page 1090

19.1.7.6.5.15 ServiceOption <SvcOptn>

Presence: [0..1]

Definition: Options to the service provided by the card.

Datatype: "Max35Text" on page 1088

19.1.7.6.5.16 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 1090

19.1.7.6.6 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		825
	AccountNumber <AcctNb>	[0..1]	Text		825
	CheckNumber <ChckNb>	[0..1]	Text		825
	CheckCardNumber <ChckCardNb>	[0..1]	Text		825
	CheckTrackData2 <ChckTrckData2>	[0..1]			825
	TrackNumber <TrckNb>	[0..1]	Quantity		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826
	CheckType <ChckTp>	[0..1]	CodeSet		826
	Country <Ctry>	[0..1]	Text		827

19.1.7.6.6.1 BankIdentification <Bkld>

Presence: [0..1]

Definition: Identification of the institution (bank) issuing the check.

Datatype: "Max35Text" on page 1088

19.1.7.6.6.2 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Identification of the account linked to the check.

Datatype: "Max35Text" on page 1088

19.1.7.6.6.3 CheckNumber <ChckNb>

Presence: [0..1]

Definition: Identification of the check.

Datatype: "Max35Text" on page 1088

19.1.7.6.6.4 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 1088

19.1.7.6.6.5 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		826
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		826
	TrackValue <TrckVal>	[1..1]	Text		826

19.1.7.6.6.5.1 TrackNumber <TrckNb>

Presence: [0..1]

Definition: Track number of the card.

Datatype: "Number" on page 1084

19.1.7.6.6.5.2 TrackFormat <TrckFrmt>

Presence: [0..1]

Definition: Card or check track format.

Datatype: "TrackFormat1Code" on page 1077

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.
JIS2	JISIIFormat	Japanese track format II.

19.1.7.6.6.5.3 TrackValue <TrckVal>

Presence: [1..1]

Definition: Card track content or equivalent.

Datatype: "Max140Text" on page 1086

19.1.7.6.6.6 CheckType <ChckTp>

Presence: [0..1]

Definition: Type of the check (personal or professional).

Datatype: "CheckType1Code" on page 1038

CodeName	Name	Definition
BANK	BankCheck	The check is guaranteed by a bank.

CodeName	Name	Definition
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.

19.1.7.6.6.7 Country <Ctry>

Presence: [0..1]

Definition: Country of the check.

Datatype: "Max3Text" on page 1089

19.1.7.6.7 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		827
	IdentificationType <IdTp>	[0..1]	CodeSet		828
	Identification <Id>	[0..1]	Text		828
	Brand <Brnd>	[0..1]	Text		829
	Provider <Prvdr>	[0..1]	Text		829
	OwnerName <OwnrNm>	[0..1]	Text		829
	ExpiryDate <XpryDt>	[0..1]	Text		829
	EntryMode <NtryMd>	[0..1]	CodeSet		829
	Currency <Ccy>	[0..1]	CodeSet	C1	830
	Balance <Bal>	[0..1]	Amount		830

19.1.7.6.7.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

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.

19.1.7.6.7.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 1034

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.

19.1.7.6.7.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 1088

19.1.7.6.7.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

19.1.7.6.7.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

19.1.7.6.7.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

19.1.7.6.7.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

19.1.7.6.7.8 EntryMode <NtryMd>

Presence: [0..1]

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

Datatype: "CardDataReading8Code" on page 1033

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.

CodeName	Name	Definition
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.)

19.1.7.6.7.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

19.1.7.6.7.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.6.8 LoyaltyAccount <LltyAcct>

Presence: [0..*]

Definition: Store value account associated to the payment.

LoyaltyAccount <LtyAcct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

19.1.7.6.9 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 911 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		912
	Type <Tp>	[0..1]	Text		912
	Provider <Prvdr>	[0..1]	Text		912

19.1.7.6.10 Wallet <Wllt>

Presence: [0..1]

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

Wallet <Wllt> contains the following elements (see "[CustomerDevice3](#)" on page 911 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		912
	Type <Tp>	[0..1]	Text		912
	Provider <Prvdr>	[0..1]	Text		912

19.1.7.6.11 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Payment token information.

PaymentToken <PmtTkn> contains the following elements (see "Token1" on page 1008 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1008
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1008
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1008
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1008
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1009
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1009

19.1.7.6.12 MerchantToken <MrchntTkn>

Presence: [0..1]

Definition: Merchant token information.

MerchantToken <MrchntTkn> contains the following elements (see "MerchantToken2" on page 1009 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		1009
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1009
	TokenCharacteristic <TknChrtc>	[0..*]	Text		1010
	TokenRequestor <TknRqstr>	[0..1]			1010
	ProviderIdentification <Prvdrlld>	[1..1]	Text		1010
	RequestorIdentification <Rqstrld>	[1..1]	Text		1010
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		1010
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		1010
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1010
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1011

19.1.7.6.13 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder involved in the card payment.

Cardholder <Crhdldr> contains the following **Cardholder21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]			836
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839
	Name <Nm>	[0..1]	Text		839
	Language <Lang>	[0..1]	CodeSet	C6	839
	BillingAddress <BllgAdr>	[0..1]	±		840
	ShippingAddress <ShppgAdr>	[0..1]	±		840
	TripNumber <TripNb>	[0..1]	Text		841
	Vehicle <Vhcl>	[0..1]	±		841
	Authentication <Authntcn>	[0..*]			842
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <CrhdldrId>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <DrvrId>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctcdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			853
	Method <Mtd>	[1..1]	CodeSet		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <Rslt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRslt>	[0..1]	Text		855
	PersonalData <PrsnlData>	[0..1]	Text		856
	MobileData <MobData>	[0..*]			856
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858
	SensitiveMobileData <SnstvMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		859

19.1.7.6.13.1 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		836
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		836
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		837
	DriverIdentification <DrvrId>	[0..1]	Text		837
	CustomerNumber <CstmrNb>	[0..1]	Text		837
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		837
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		837
	PassportNumber <PsptNb>	[0..1]	Text		837
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		837
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		837
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		838
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		838
	JobNumber <JobNb>	[0..1]	Text		838
	Department <Dept>	[0..1]	Text		838
	EmailAddress <EmailAdr>	[0..1]	Text		838
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			838
	BirthDate <BirthDt>	[1..1]	Date		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839
	Other <Othr>	[0..*]	±		839

19.1.7.6.13.1.1 DriverLicenseNumber <DrvrLicNb>*Presence:* [0..1]*Definition:* Number assigned by a license authority to a driver's license.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.1.2 DriverLicenseLocation <DrvrLicLctn>***Presence:* [0..1]*Definition:* Country, state or province, issuer of the driver license.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.3 DriverLicenseName <DrvrLicNm>

Presence: [0..1]

Definition: Name or title of the driver license.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.4 DriverIdentification <DrvrId>

Presence: [0..1]

Definition: Identification of the driver in the fleet of vehicle.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.5 CustomerNumber <CstmrNb>

Presence: [0..1]

Definition: Number assigned by an agent to identify its customer.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.6 SocialSecurityNumber <SciSctyNb>

Presence: [0..1]

Definition: Number assigned by a social security agency.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.7 AlienRegistrationNumber <AlnRegnNb>

Presence: [0..1]

Definition: Number assigned by a government agency to identify foreign nationals.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.8 PassportNumber <PsptNb>

Presence: [0..1]

Definition: Number assigned by a passport authority to a passport.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.9 TaxIdentificationNumber <TaxIdNb>

Presence: [0..1]

Definition: Number assigned by a tax authority to an entity.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.10 IdentityCardNumber <IdntyCardNb>

Presence: [0..1]

Definition: Number assigned by a national authority to an identity card.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.11 EmployerIdentificationNumber <MplyrIdNb>*Presence:* [0..1]*Definition:* Number assigned to an employer by a registration authority.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.1.12 EmployeeIdentificationNumber <MplyeIdNb>***Presence:* [0..1]*Definition:* Number assigned to an employee by a employer.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.1.13 JobNumber <JobNb>***Presence:* [0..1]*Definition:* Identification of the job.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.1.14 Department <Dept>***Presence:* [0..1]*Definition:* Identification of the department.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.1.15 EmailAddress <EmailAdr>***Presence:* [0..1]*Definition:* Address for electronic mail (e-mail).*Datatype:* "Max256Text" on page 1087**19.1.7.6.13.1.16 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		838
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		839
	CityOfBirth <CityOfBirth>	[1..1]	Text		839
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	839

19.1.7.6.13.1.16.1 BirthDate <BirthDt>*Presence:* [1..1]*Definition:* Date on which a person is born.*Datatype:* "ISODate" on page 1081

19.1.7.6.13.1.16.2 ProvinceOfBirth <PrvcOfBirth>

Presence: [0..1]
Definition: Province where a person was born.
Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.16.3 CityOfBirth <CityOfBirth>

Presence: [1..1]
Definition: City where a person was born.
Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.16.4 CountryOfBirth <CtryOfBirth>

Presence: [1..1]
Definition: Country where a person was born.
Impacted by: C3 "Country"
Datatype: "CountryCode" on page 1039

Constraints

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

19.1.7.6.13.1.17 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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		763
	IdentificationType <IdTp>	[1..1]	Text		763

19.1.7.6.13.2 Name <Nm>

Presence: [0..1]
Definition: Cardholder name associated with the card.
Datatype: "Max45Text" on page 1089

19.1.7.6.13.3 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 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.7.6.13.4 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 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		940
	Department <Dept>	[0..1]	Text		940
	SubDepartment <SubDept>	[0..1]	Text		940
	AddressLine <AdrLine>	[0..2]	Text		940
	StreetName <StrtNm>	[0..1]	Text		941
	BuildingNumber <BldgNb>	[0..1]	Text		941
	PostCode <PstCd>	[0..1]	Text		941
	TownName <TwnNm>	[0..1]	Text		941
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		941
	CountryCode <CtryCd>	[0..1]	Text		941

19.1.7.6.13.5 ShippingAddress <ShppgAdr>

Presence: [0..1]

Definition: Postal address for delivery of goods or services.

ShippingAddress <ShppgAdr> contains the following elements (see "PostalAddress22" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		940
	Department <Dept>	[0..1]	Text		940
	SubDepartment <SubDept>	[0..1]	Text		940
	AddressLine <AdrLine>	[0..2]	Text		940
	StreetName <StrtNm>	[0..1]	Text		941
	BuildingNumber <BldgNb>	[0..1]	Text		941
	PostCode <PstCd>	[0..1]	Text		941
	TownName <TwnNm>	[0..1]	Text		941
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		941
	CountryCode <CtryCd>	[0..1]	Text		941

19.1.7.6.13.6 TripNumber <TripNb>

Presence: [0..1]

Definition: Identification of the trip.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.7 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 925 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VehicleNumber <VhclNb>	[0..1]	Text		926
	TrailerNumber <TrlrNb>	[0..1]	Text		926
	VehicleTag <VhclTag>	[0..1]	Text		927
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		927
	UnitNumber <UnitNb>	[0..1]	Text		927
	ReplacementCar <RplcmntCar>	[0..1]	Indicator		927
	Odometer <Odmtr>	[0..1]	Quantity		927
	Hubometer <Hbmtr>	[0..1]	Quantity		928
	TrailerHours <TrlrHrs>	[0..1]	Text		928
	ReferHours <RefrHrs>	[0..1]	Text		928
	Maintenanceldentification <Mntncld>	[0..1]	Text		928
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			928
	PAN <PAN>	[0..1]	Text		928
	Track1 <Trck1>	[0..1]	Text		929
	Track2 <Trck2>	[0..1]	Text		929
	Track3 <Trck3>	[0..1]	Text		929
	AdditionalCardData <AddtlCardData>	[0..*]	Text		929
	EntryMode <NtryMd>	[0..1]	CodeSet		929
	AdditionalVehicleData <AddtlVhclData>	[0..*]			930
	Type <Tp>	[0..1]	Text		930
	EntryMode <NtryMd>	[0..1]	CodeSet		930
	Data <Data>	[1..1]	Text		931

19.1.7.6.13.8 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 **CardholderAuthentication17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		844
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		845
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		846
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		846
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]			846
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847
	CardholderIdentification <CrhdldrId>	[0..1]			847
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <DrvrId>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <SciSctyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851
	AddressVerification <AdrVrfctn>	[0..1]			851

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressDigits <AdrDgts>	[0..1]	Text		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852
	AuthenticationType <AuthntcnTp>	[0..1]	Text		852
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		852
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		852
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			852
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctcdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853

19.1.7.6.13.8.1 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 1029

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.

19.1.7.6.13.8.2 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 1043

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.

19.1.7.6.13.8.3 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Value used to authenticate the cardholder.

Datatype: "Max5000Binary" on page 1015

19.1.7.6.13.8.4 ProtectedAuthenticationValue <PrctcdAuthntcnVal>

Presence: [0..1]

Definition: Protection of the authentication value.

ProtectedAuthenticationValue <PrctcdAuthntcnVal> contains the following elements (see "ContentInformationType40" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.7.6.13.8.5 CardholderOnLinePIN <CrdhldrOnLinePIN>

Presence: [0..1]

Definition: Encrypted personal identification number (PIN) and related information.

CardholderOnLinePIN <CrdhldrOnLinePIN> contains the following **OnLinePIN11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		846
	PINFormat <PINFrmt>	[1..1]	CodeSet		847
	AdditionalInput <AddtlInpt>	[0..1]	Text		847

19.1.7.6.13.8.5.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see "ContentInformationType40" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.7.6.13.8.5.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 1055

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.

19.1.7.6.13.8.5.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6 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		848
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		848
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		848
	DriverIdentification <DrvrId>	[0..1]	Text		849
	CustomerNumber <CstmrNb>	[0..1]	Text		849
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		849
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		849
	PassportNumber <PsptNb>	[0..1]	Text		849
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		849
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		849
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		849
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		850
	JobNumber <JobNb>	[0..1]	Text		850
	Department <Dept>	[0..1]	Text		850
	EmailAddress <EmailAdr>	[0..1]	Text		850
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			850
	BirthDate <BirthDt>	[1..1]	Date		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851
	Other <Othr>	[0..*]	±		851

19.1.7.6.13.8.6.1 DriverLicenseNumber <DrvrLicNb>

Presence: [0..1]

Definition: Number assigned by a license authority to a driver's license.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.2 DriverLicenseLocation <DrvrLicLctn>

Presence: [0..1]

Definition: Country, state or province, issuer of the driver license.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.3 DriverLicenseName <DrvrLicNm>

Presence: [0..1]

Definition: Name or title of the driver license.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.4 DriverIdentification <DrvrlId>

Presence: [0..1]

Definition: Identification of the driver in the fleet of vehicle.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.5 CustomerNumber <CstmrNb>

Presence: [0..1]

Definition: Number assigned by an agent to identify its customer.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.6 SocialSecurityNumber <SciSctyNb>

Presence: [0..1]

Definition: Number assigned by a social security agency.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.7 AlienRegistrationNumber <AlnRegnNb>

Presence: [0..1]

Definition: Number assigned by a government agency to identify foreign nationals.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.8 PassportNumber <PsptNb>

Presence: [0..1]

Definition: Number assigned by a passport authority to a passport.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.9 TaxIdentificationNumber <TaxIdNb>

Presence: [0..1]

Definition: Number assigned by a tax authority to an entity.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.10 IdentityCardNumber <IdntyCardNb>

Presence: [0..1]

Definition: Number assigned by a national authority to an identity card.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.11 EmployerIdentificationNumber <MplyrIdNb>

Presence: [0..1]

Definition: Number assigned to an employer by a registration authority.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6.12 EmployeeIdentificationNumber <MplyeeldNb>*Presence:* [0..1]*Definition:* Number assigned to an employee by a employer.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.8.6.13 JobNumber <JobNb>***Presence:* [0..1]*Definition:* Identification of the job.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.8.6.14 Department <Dept>***Presence:* [0..1]*Definition:* Identification of the department.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.8.6.15 EmailAddress <EmailAdr>***Presence:* [0..1]*Definition:* Address for electronic mail (e-mail).*Datatype:* "Max256Text" on page 1087**19.1.7.6.13.8.6.16 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		850
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		850
	CityOfBirth <CityOfBirth>	[1..1]	Text		851
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	851

19.1.7.6.13.8.6.16.1 BirthDate <BirthDt>*Presence:* [1..1]*Definition:* Date on which a person is born.*Datatype:* "ISODate" on page 1081**19.1.7.6.13.8.6.16.2 ProvinceOfBirth <PrvcOfBirth>***Presence:* [0..1]*Definition:* Province where a person was born.*Datatype:* "Max35Text" on page 1088

19.1.7.6.13.8.6.16.3 CityOfBirth <CityOfBirth>*Presence:* [1..1]*Definition:* City where a person was born.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.8.6.16.4 CountryOfBirth <CtryOfBirth>***Presence:* [1..1]*Definition:* Country where a person was born.*Impacted by:* C3 "Country"*Datatype:* "CountryCode" on page 1039**Constraints**

- **Country**

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

19.1.7.6.13.8.6.17 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 763 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		763
	IdentificationType <IdTp>	[1..1]	Text		763

19.1.7.6.13.8.7 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		851
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		852

19.1.7.6.13.8.7.1 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 1089

19.1.7.6.13.8.7.2 PostalCodeDigits <PstlCdDgts>*Presence:* [0..1]*Definition:* Numeric characters from the cardholder's postal code.*Datatype:* "Max5NumericText" on page 1089**19.1.7.6.13.8.8 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 1088**19.1.7.6.13.8.9 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 1088**19.1.7.6.13.8.10 AuthenticationResult <AuthntcnRslt>***Presence:* [0..1]*Definition:* Result of authentication.*Datatype:* "AuthenticationResult1Code" on page 1030

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.

19.1.7.6.13.8.11 AuthenticationAdditionalInformation <AuthntcnAddtlInf>*Presence:* [0..1]*Definition:* Additional information related to the result of the authentication.

AuthenticationAdditionalInformation <AuthntcnAddtlInf> contains the following **ExternallyDefinedData5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		853
	Value <Val>	[0..1]	Binary		853
	ProtectedValue <PrctcdVal>	[0..1]	±		853
	Type <Tp>	[0..1]	Text		853

19.1.7.6.13.8.11.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 1085

19.1.7.6.13.8.11.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 1014

19.1.7.6.13.8.11.3 ProtectedValue <PrctcdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrctcdVal> contains the following elements (see "ContentInformationType39" on page 992 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		992
	EnvelopedData <EnvlpdData>	[0..1]	±		992
	AuthenticatedData <AuthntcdData>	[0..1]	±		994
	SignedData <SgndData>	[0..1]	±		995
	DigestedData <DgstdData>	[0..1]	±		996

19.1.7.6.13.8.11.4 Type <Tp>

Presence: [0..1]

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

Datatype: "Max1025Text" on page 1085

19.1.7.6.13.9 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		854
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		855
	Result <RsIt>	[0..1]	CodeSet		855
	AdditionalResult <AddtlRsIt>	[0..1]	Text		855

19.1.7.6.13.9.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod6Code" on page 1028

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.

19.1.7.6.13.9.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1027

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.

19.1.7.6.13.9.3 Result <RsIt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1081

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.

19.1.7.6.13.9.4 AdditionalResult <AddtlRsIt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1089

19.1.7.6.13.10 PersonalData <PrsnlData>*Presence:* [0..1]*Definition:* Identifies personal data related to the cardholder.*Datatype:* "Max70Text" on page 1090**19.1.7.6.13.11 MobileData <MobData>***Presence:* [0..*]*Definition:* Data related to the mobile of stakeholder.**MobileData <MobData>** contains the following **MobileData6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MobileCountryCode <MobCtryCd>	[0..1]	Text		856
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		856
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		857
	Geolocation <Glctn>	[0..1]			857
	GeographicCoordinates <GeogcCordints>	[0..1]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwrdr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		858
	SensitiveMobileData <SnstivMobData>	[0..1]			858
	MSISDN <MSISDN>	[1..1]	Text		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		859

19.1.7.6.13.11.1 MobileCountryCode <MobCtryCd>*Presence:* [0..1]*Definition:* Identifies the country of a mobile phone operator.*Datatype:* "Min2Max3AlphaText" on page 1091**19.1.7.6.13.11.2 MobileNetworkCode <MobNtwkCd>***Presence:* [0..1]*Definition:* Identifies the mobile phone operator inside a country.*Datatype:* "Min2Max3NumericText" on page 1091

19.1.7.6.13.11.3 MobileMaskedMSISDN <MobMskdMSISDN>*Presence:* [0..1]*Definition:* Masked Mobile Subscriber Integrated Service Digital Network.*Datatype:* "Max35Text" on page 1088**19.1.7.6.13.11.4 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]			857
	Latitude <Lat>	[1..1]	Text		857
	Longitude <Long>	[1..1]	Text		857
	UTMCoordinates <UTMCordints>	[0..1]			858
	UTMZone <UTMZone>	[1..1]	Text		858
	UTMEastward <UTMEstwr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwr>	[1..1]	Text		858

19.1.7.6.13.11.4.1 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		857
	Longitude <Long>	[1..1]	Text		857

19.1.7.6.13.11.4.1.1 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 1088**19.1.7.6.13.11.4.1.2 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 1088

19.1.7.6.13.11.4.2 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		858
	UTMEastward <UTMEstwrdr>	[1..1]	Text		858
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		858

19.1.7.6.13.11.4.2.1 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 1088

19.1.7.6.13.11.4.2.2 UTMEastward <UTMEstwrdr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.11.4.2.3 UTMNorthward <UTMNrthwrdr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.11.5 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		859
	IMSI <IMSI>	[0..1]	Text		859
	IMEI <IMEI>	[0..1]	Text		859

19.1.7.6.13.11.5.1 MSISDN <MSISDN>

Presence: [1..1]

Definition: identifies the mobile - Mobile Subscriber Integrated Service Digital Network (The SIM identifier).

Datatype: "Max35NumericText" on page 1088

19.1.7.6.13.11.5.2 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 1088

19.1.7.6.13.11.5.3 IMEI <IMEI>

Presence: [0..1]

Definition: International Mobile Equipment Identity is a number usually unique to identify a mobile phone.

Datatype: "Max35NumericText" on page 1088

19.1.7.6.13.11.6 ProtectedMobileData <PrtctdMobData>

Presence: [0..1]

Definition: Sensitive information related to the mobile phone, protected by CMS.

ProtectedMobileData <PrtctdMobData> contains the following elements (see "ContentInformationType40" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.7.6.14 ProtectedCardholderData <PrtctdCrhdlrData>

Presence: [0..1]

Definition: Replacement of the message element Cardholder by a digital envelope using a cryptographic key.

ProtectedCardholderData <PrctcdCrhdldrData> contains the following elements (see "ContentInformationType40" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.7.6.15 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		860
	Currency <Ccy>	[0..1]	CodeSet	C1	861
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		861
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		861
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		862
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		862
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		862

19.1.7.6.15.1 SaleCapabilities <SaleCpblties>

Presence: [0..*]

Definition: Capabilities of the Sale system.

Datatype: "SaleCapabilities1Code" on page 1071

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.

19.1.7.6.15.2 Currency <Ccy>

Presence: [0..1]

Definition: Default currency associated with the sale system.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

19.1.7.6.15.3 MinimumAmountToDeliver <MinAmtToDlvr>

Presence: [0..1]

Definition: Minimum amount the Sale System is allowed to deliver for this payment.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.6.15.4 MaximumCashBackAmount <MaxCshBckAmt>

Presence: [0..1]

Definition: Maximum amount which could be requested for cash-back.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.6.15.5 MinimumSplitAmount <MinSpltAmt>

Presence: [0..1]

Definition: Minimum amount to split a sale transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.6.15.6 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 1083):

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

19.1.7.6.15.7 LoyaltyHandling <LltyHdlg>

Presence: [0..1]

Definition: Way of Loyalty handling.

Datatype: "LoyaltyHandling1Code" on page 1049

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.

19.1.7.7 ActionMessage11

Definition: Information to display, print or store.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		863
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		863
	Format <Frmt>	[0..1]	CodeSet		864
	MessageContent <MsgCntt>	[0..1]	Text		865
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		865
	OutputBarcode <OutptBrcd>	[0..1]			865
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		867
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		867

19.1.7.7.1 MessageDestination <MsgDstn>

Presence: [1..1]

Definition: Destination of the message.

Datatype: "UserInterface4Code" on page 1081

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.

19.1.7.7.2 InformationQualifier <InfQlfr>

Presence: [0..1]

Definition: Qualification of the information to sent to an output logical device.

Datatype: "InformationQualify1Code" on page 1045

CodeName	Name	Definition
CUSA	CustomerAssistance	Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer.

CodeName	Name	Definition
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.

19.1.7.7.3 Format <Frmt>

Presence: [0..1]

Definition: Message format.

Datatype: "OutputFormat3Code" on page 1052

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.

19.1.7.7.4 MessageContent <MsgCntt>*Presence:* [0..1]*Definition:* Content or reference of the message.*Datatype:* "Max20000Text" on page 1087**19.1.7.7.5 MessageContentSignature <MsgCnttSgntr>***Presence:* [0..1]*Definition:* Digital signature of the message.**MessageContentSignature <MsgCnttSgntr>** contains the following elements (see "ContentInformationType38" on page 997 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

19.1.7.7.6 OutputBarcode <OutptBrcd>*Presence:* [0..1]*Definition:* Content of message displayed or printed as Barcode.**OutputBarcode <OutptBrcd>** contains the following **OutputBarcode2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BarcodeType <BrcdTp>	[1..1]	CodeSet		865
	BarcodeValue <BrcdVal>	[0..1]	Text		866
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		866
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		866
	QRCodeEncodingMode <QRCDNcodgMd>	[0..1]	CodeSet		866
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		866

19.1.7.7.6.1 BarcodeType <BrcdTp>*Presence:* [1..1]*Definition:* Type of Barcode coding.*Datatype:* "BarcodeType1Code" on page 1030

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.

CodeName	Name	Definition
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.

19.1.7.7.6.2 BarcodeValue <BrCdVal>*Presence:* [0..1]*Definition:* Value with a Barcode coding.*Datatype:* "Max8000Text" on page 1090**19.1.7.7.6.3 QRCodeBinaryValue <QRcdBinryVal>***Presence:* [0..1]*Definition:* Use for binary and Kanji Quick Response Code.*Datatype:* "Max3000Binary" on page 1015**19.1.7.7.6.4 QRCodeVersion <QRcdVrsn>***Presence:* [0..1]*Definition:* Version of the Quick Response Code.*Datatype:* "Max16Text" on page 1086**19.1.7.7.6.5 QRCodeEncodingMode <QRcdNcodgMd>***Presence:* [0..1]*Definition:* Encoding Mode of Quick Response Code.*Datatype:* "QRCodeEncodingMode1Code" on page 1059

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.

19.1.7.7.6.6 QRCodeErrorCorrection <QRcdErrCrrctn>*Presence:* [0..1]

Definition: Error Correction mode of Quick Response Code.

Datatype: "QRCodeErrorCorrection1Code" on page 1059

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%

19.1.7.7.7 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 1083):

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

19.1.7.7.8 MinimumDisplayTime <MinDispTm>

Presence: [0..1]

Definition: Number of seconds the message has to be displayed.

Datatype: "Number" on page 1084

19.1.7.8 PointOfInteractionComponent15

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		869
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		870
	Identification <Id>	[1..1]			871
	ItemNumber <ItmNb>	[0..1]	Text		871
	ProviderIdentification <PrvdrlId>	[0..1]	Text		871
	Identification <Id>	[0..1]	Text		871
	SerialNumber <SrlNb>	[0..1]	Text		871
	Status <Sts>	[0..1]			871
	VersionNumber <VrsnNb>	[0..1]	Text		872
	Status <Sts>	[0..1]	CodeSet		872
	ExpiryDate <XpryDt>	[0..1]	Date		872
	StandardCompliance <StdCmplc>	[0..*]			872
	Identification <Id>	[1..1]	Text		872
	Version <Vrsn>	[1..1]	Text		873
	Issuer <Issr>	[1..1]	Text		873
	Characteristics <Chrtcs>	[0..1]			873
	Memory <Mmry>	[0..*]			874
	Identification <Id>	[1..1]	Text		875
	TotalSize <TtlSz>	[1..1]	Quantity		875
	FreeSize <FreeSz>	[1..1]	Quantity		875
	Unit <Unit>	[1..1]	CodeSet		875
	Communication <Com>	[0..*]			875
	CommunicationType <ComTp>	[1..1]	CodeSet		876
	RemoteParty <RmotPty>	[1..*]	CodeSet		877
	Active <Actv>	[1..1]	Indicator		877
	Parameters <Params>	[0..1]	±		877
	PhysicalInterface <PhysIntrfc>	[0..1]			878
	InterfaceName <IntrfcNm>	[1..1]	Text		878
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		878
	UserName <UsrNm>	[0..1]	Text		879
	AccessCode <AccsCd>	[0..1]	Binary		879

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SecurityProfile <SctyPrfl>	[0..1]	Text		879
	AdditionalParameters <AddtlParams>	[0..1]	Binary		879
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		880
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		880
	SecurityElement <SctyElmt>	[0..*]	±		880
	Assessment <Assmnt>	[0..*]			881
	Type <Tp>	[1..1]	CodeSet		882
	Assigner <Assgnr>	[1..*]	Text		882
	DeliveryDate <DlvryDt>	[0..1]	DateTime		882
	ExpirationDate <XprtnDt>	[0..1]	DateTime		882
	Number <Nb>	[1..1]	Text		882
	Package <Packg>	[0..*]			883
	PackageIdentification <PackgId>	[0..1]	±		883
	PackageLength <PackgLngh>	[0..1]	Quantity		883
	OffsetStart <OffsetStart>	[0..1]	Quantity		883
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		884
	PackageBlock <PackgBlck>	[0..*]			884
	Identification <Id>	[1..1]	Text		884
	Value <Val>	[0..1]	Binary		884
	ProtectedValue <PrctcdVal>	[0..1]	±		884
	Type <Tp>	[0..1]	Text		885

19.1.7.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of component belonging to a POI (Point Of Interaction) Terminal.

Datatype: "POIComponentType6Code" on page 1058

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.

19.1.7.8.2 SubTypeInfoInformation <SubTpInf>

Presence: [0..1]

Definition: Additional information regarding the type of the component.

Datatype: "Max70Text" on page 1090

19.1.7.8.3 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		871
	ProviderIdentification <PrvdrId>	[0..1]	Text		871
	Identification <Id>	[0..1]	Text		871
	SerialNumber <SrlNb>	[0..1]	Text		871

19.1.7.8.3.1 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 1088**19.1.7.8.3.2 ProviderIdentification <PrvdrId>***Presence:* [0..1]*Definition:* Identifies the provider of the software, hardware or parameters of the POI component.*Datatype:* "Max35Text" on page 1088**19.1.7.8.3.3 Identification <Id>***Presence:* [0..1]*Definition:* Identification of the POI component assigned by its provider.*Datatype:* "Max256Text" on page 1087**19.1.7.8.3.4 SerialNumber <SrlNb>***Presence:* [0..1]*Definition:* Serial number identifying an occurrence of an hardware component.*Datatype:* "Max256Text" on page 1087**19.1.7.8.4 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		872
	Status <Sts>	[0..1]	CodeSet		872
	ExpiryDate <XpryDt>	[0..1]	Date		872

19.1.7.8.4.1 VersionNumber <VrsnNb>

Presence: [0..1]

Definition: Current version of the component that might include the release number.

Datatype: "Max256Text" on page 1087

19.1.7.8.4.2 Status <Sts>

Presence: [0..1]

Definition: Current status of the component.

Datatype: "POIComponentStatus1Code" on page 1057

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.

19.1.7.8.4.3 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiration date of the component.

Datatype: "ISODate" on page 1081

19.1.7.8.5 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		872
	Version <Vrsn>	[1..1]	Text		873
	Issuer <Issr>	[1..1]	Text		873

19.1.7.8.5.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 1088

19.1.7.8.5.2 Version <Vrsn>

Presence: [1..1]

Definition: Version of the identification.

Datatype: "Max35Text" on page 1088

19.1.7.8.5.3 Issuer <Issr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 1088

19.1.7.8.6 Characteristics <Chrtcs>

Presence: [0..1]

Definition: Characteristics of a POI (Point Of Interaction) component.

Characteristics <Chrtcs> contains the following **PointOfInteractionComponentCharacteristics10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Memory <Mmry>	[0..*]			874
	Identification <Id>	[1..1]	Text		875
	TotalSize <TtlSz>	[1..1]	Quantity		875
	FreeSize <FreeSz>	[1..1]	Quantity		875
	Unit <Unit>	[1..1]	CodeSet		875
	Communication <Com>	[0..*]			875
	CommunicationType <ComTp>	[1..1]	CodeSet		876
	RemoteParty <RmotPty>	[1..*]	CodeSet		877
	Active <Actv>	[1..1]	Indicator		877
	Parameters <Params>	[0..1]	±		877
	PhysicalInterface <PhysIntrfc>	[0..1]			878
	InterfaceName <IntrfcNm>	[1..1]	Text		878
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		878
	UserName <UsrNm>	[0..1]	Text		879
	AccessCode <AccsCd>	[0..1]	Binary		879
	SecurityProfile <SctyPrfl>	[0..1]	Text		879
	AdditionalParameters <AddtlParams>	[0..1]	Binary		879
	SecurityAccessModules <SctyAccsMdls>	[0..1]	Quantity		880
	SubscriberIdentityModules <SbcbrldntyMdls>	[0..1]	Quantity		880
	SecurityElement <SctyElmt>	[0..*]	±		880

19.1.7.8.6.1 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		875
	TotalSize <TtlSz>	[1..1]	Quantity		875
	FreeSize <FreeSz>	[1..1]	Quantity		875
	Unit <Unit>	[1..1]	CodeSet		875

19.1.7.8.6.1.1 Identification <Id>

Presence: [1..1]
Definition: Identification or name of the memory.
Datatype: "Max35Text" on page 1088

19.1.7.8.6.1.2 TotalSize <TtISz>

Presence: [1..1]
Definition: Total size of the memory unit.
Datatype: "DecimalNumber" on page 1084

19.1.7.8.6.1.3 FreeSize <FreeSz>

Presence: [1..1]
Definition: Total size of the available memory.
Datatype: "DecimalNumber" on page 1084

19.1.7.8.6.1.4 Unit <Unit>

Presence: [1..1]
Definition: Memory unit of the sizes.
Datatype: "MemoryUnit1Code" on page 1050

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.

19.1.7.8.6.2 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		876
	RemoteParty <RmotPty>	[1..*]	CodeSet		877
	Active <Actv>	[1..1]	Indicator		877
	Parameters <Params>	[0..1]	±		877
	PhysicalInterface <PhysIntrfc>	[0..1]			878
	InterfaceName <IntrfcNm>	[1..1]	Text		878
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		878
	UserName <UsrNm>	[0..1]	Text		879
	AccessCode <AccsCd>	[0..1]	Binary		879
	SecurityProfile <SctyPrfl>	[0..1]	Text		879
	AdditionalParameters <AddtlParams>	[0..1]	Binary		879

19.1.7.8.6.2.1 CommunicationType <ComTp>

Presence: [1..1]

Definition: Type of low level communication.

Datatype: "POICommunicationType2Code" on page 1056

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.

19.1.7.8.6.2.2 RemoteParty <RmotPty>

Presence: [1..*]

Definition: Entity that communicate with the current component, using this communication device.

Datatype: "PartyType7Code" on page 1055

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.

19.1.7.8.6.2.3 Active <Actv>

Presence: [1..1]

Definition: Communication hardware is activated.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1083):

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

19.1.7.8.6.2.4 Parameters <Params>

Presence: [0..1]

Definition: Network parameters of the communication link.

Parameters <Params> contains the following elements (see "[NetworkParameters7](#)" on page 937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			938
	NetworkType <NtwkTp>	[1..1]	CodeSet		938
	AddressValue <AdrVal>	[1..1]	Text		938
	UserName <UsrNm>	[0..1]	Text		938
	AccessCode <AccsCd>	[0..1]	Binary		939
	ServerCertificate <SvrCert>	[0..*]	Binary		939
	ServerCertificateIdentifier <SvrCertldr>	[0..*]	Binary		939
	ClientCertificate <CIntCert>	[0..*]	Binary		939
	SecurityProfile <SctyPrfl>	[0..1]	Text		939

19.1.7.8.6.2.5 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		878
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		878
	UserName <UsrNm>	[0..1]	Text		879
	AccessCode <AccsCd>	[0..1]	Binary		879
	SecurityProfile <SctyPrfl>	[0..1]	Text		879
	AdditionalParameters <AddtlParams>	[0..1]	Binary		879

19.1.7.8.6.2.5.1 InterfaceName <IntrfcNm>

Presence: [1..1]

Definition: Identification of the interface.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.8.6.2.5.2 InterfaceType <IntrfcTp>

Presence: [0..1]

Definition: Identification of the physical link layer.

Datatype: "[POICommunicationType2Code](#)" on page 1056

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.

19.1.7.8.6.2.5.3 UserName <UsrNm>

Presence: [0..1]

Definition: Optional user name to provide to use this interface.

Datatype: "Max35Text" on page 1088

19.1.7.8.6.2.5.4 AccessCode <AccsCd>

Presence: [0..1]

Definition: Optional access code to provide to use this interface.

Datatype: "Max35Binary" on page 1015

19.1.7.8.6.2.5.5 SecurityProfile <SctyPrfl>

Presence: [0..1]

Definition: Identification of the optional security profile to use with this interface.

Datatype: "Max35Text" on page 1088

19.1.7.8.6.2.5.6 AdditionalParameters <AddtlParams>

Presence: [0..1]

Definition: Any other parameters relevant for this interface.

Datatype: "Max2KBinary" on page 1015

19.1.7.8.6.3 SecurityAccessModules <SctyAccsMdls>

Presence: [0..1]

Definition: Number of security access modules (SAM).

Datatype: "Number" on page 1084

19.1.7.8.6.4 SubscriberIdentityModules <SbcbrldntyMdls>

Presence: [0..1]

Definition: Number of subscriber identity modules (SIM).

Datatype: "Number" on page 1084

19.1.7.8.6.5 SecurityElement <SctyElmt>

Presence: [0..*]

Definition: Security characteristics of the component.

SecurityElement <SctyElmt> contains the following elements (see "[CryptographicKey18](#)" on page 999 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1000
	AdditionalIdentification <AddtlId>	[0..1]	Binary		1000
	Name <Nm>	[0..1]	Text		1001
	SecurityProfile <SctyPrfl>	[0..1]	Text		1001
	ItemNumber <ItmNb>	[0..1]	Text		1001
	Version <Vrsn>	[1..1]	Text		1001
	Type <Tp>	[0..1]	CodeSet		1001
	Function <Fctn>	[0..*]	CodeSet		1002
	ActivationDate <ActvtnDt>	[0..1]	DateTime		1002
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		1003
	KeyValue <KeyVal>	[0..1]	±		1003
	ComponentWithAuthorisedAccess <CmpntWthAuthrsdAccs>	[0..*]			1003
	Identification <Id>	[1..1]	Text		1003
	Type <Tp>	[1..1]	CodeSet		1003
	ProtectedComponentWithAuthorisedAccess <PrtctdCmpntWthAuthrsdAccs>	[0..*]	±		1004
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		1004
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			1004
	Name <Nm>	[1..1]	Text		1004
	Value <Val>	[0..1]	Text		1005

19.1.7.8.7 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		882
	Assigner <Assgnr>	[1..*]	Text		882
	DeliveryDate <DlvryDt>	[0..1]	DateTime		882
	ExpirationDate <XprtnDt>	[0..1]	DateTime		882
	Number <Nb>	[1..1]	Text		882

19.1.7.8.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of assessment of the component.

Datatype: "POIComponentAssessment1Code" on page 1057

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.

19.1.7.8.7.2 Assigner <Assgnr>

Presence: [1..*]

Definition: Body which has delivered the assessment.

Datatype: "Max35Text" on page 1088

19.1.7.8.7.3 DeliveryDate <DlvryDt>

Presence: [0..1]

Definition: Date when the assessment has been delivered.

Datatype: "ISODateTime" on page 1081

19.1.7.8.7.4 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Date when the assessment will expire.

Datatype: "ISODateTime" on page 1081

19.1.7.8.7.5 Number <Nb>

Presence: [1..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1088

19.1.7.8.8 Package <Packg>*Presence:* [0..*]*Definition:* Chunk of a software package.**Package <Packg>** contains the following **PackageType5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PackageIdentification <PackgId>	[0..1]	±		883
	PackageLength <PackgLngh>	[0..1]	Quantity		883
	OffsetStart <OffsetStart>	[0..1]	Quantity		883
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		884
	PackageBlock <PackgBlck>	[0..*]			884
	Identification <Id>	[1..1]	Text		884
	Value <Val>	[0..1]	Binary		884
	ProtectedValue <PrctcdVal>	[0..1]	±		884
	Type <Tp>	[0..1]	Text		885

19.1.7.8.8.1 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 759 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		759
	Type <Tp>	[0..1]	CodeSet		759
	Issuer <Issr>	[0..1]	CodeSet		760
	Country <Ctry>	[0..1]	Text		760
	ShortName <ShrtNm>	[0..1]	Text		760

19.1.7.8.8.2 PackageLength <PackgLngh>*Presence:* [0..1]*Definition:* Full length of software package identified through PackageIdentification.*Datatype:* "[PositiveNumber](#)" on page 1084**19.1.7.8.8.3 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 1084

19.1.7.8.8.4 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 1084

19.1.7.8.8.5 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 **ExternallyDefinedData5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		884
	Value <Val>	[0..1]	Binary		884
	ProtectedValue <PrctcdVal>	[0..1]	±		884
	Type <Tp>	[0..1]	Text		885

19.1.7.8.8.5.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 1085

19.1.7.8.8.5.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 1014

19.1.7.8.8.5.3 ProtectedValue <PrctcdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrctcdVal> contains the following elements (see "[ContentInformationType39](#)" on page 992 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		992
	EnvelopedData <EnvlpdData>	[0..1]	±		992
	AuthenticatedData <AuthntcdData>	[0..1]	±		994
	SignedData <SgndData>	[0..1]	±		995
	DigestedData <DgstdData>	[0..1]	±		996

19.1.7.8.5.4 Type <Tp>

Presence: [0..1]

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

Datatype: "[Max1025Text](#)" on page 1085

19.1.7.9 DataSetIdentification10

Definition: Identification of a data set.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		885
	Type <Tp>	[1..1]	CodeSet		885
	Version <Vrsn>	[0..1]	Text		886
	CreationDateTime <CreDtTm>	[0..1]	DateTime		887

19.1.7.9.1 Name <Nm>

Presence: [0..1]

Definition: Name of the data set.

Datatype: "[Max256Text](#)" on page 1087

19.1.7.9.2 Type <Tp>

Presence: [1..1]

Definition: Category of data set.

Datatype: "[DataSetCategory18Code](#)" on page 1040

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.

CodeName	Name	Definition
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.
SAPR	SaleToPOIProtocolParameters	Parameters related to the Sale to POI protocol.
SPRP	ServiceProviderParameters	Service Provider specific parameters for the point of interaction (POI) system.

19.1.7.9.3 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data set.

Datatype: "Max256Text" on page 1087

19.1.7.9.4 CreationDateTime <CreDtTm>

Presence: [0..1]

Definition: Date and time of creation of the data set.

Datatype: "ISODatetime" on page 1081

19.1.7.10 CardPaymentContext30

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			890
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttnDncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpptdOptn>	[0..*]	CodeSet		894
	SaleContext <SaleCntxt>	[0..1]			894
	SaleIdentification <SaleId>	[0..1]	Text		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrlId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897
	SplitPayment <SpltPmt>	[0..1]	Indicator		898

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899
	DirectDebitContext <DrctDbtCntxt>	[0..1]			899
	DebtorIdentification <DbtrId>	[0..1]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MandatImage <MndtImg>	[0..1]	Binary		907

19.1.7.10.1 PaymentContext <PmtCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

PaymentContext <PmtCntxt> contains the following **PaymentContext29** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		890
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		890
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		891
	AttendanceContext <AttndncCntxt>	[0..1]	CodeSet		891
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		891
	TransactionChannel <TxChanl>	[0..1]	CodeSet		891
	BusinessArea <BizArea>	[0..1]	CodeSet		892
	AttendantMessageCapable <AttndntMsgCpbl>	[0..1]	Indicator		892
	AttendantLanguage <AttndntLang>	[0..1]	CodeSet	C6	892
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		893
	FallbackIndicator <FlfbckInd>	[0..1]	CodeSet		893
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		894

19.1.7.10.1.1 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 1083):

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

19.1.7.10.1.2 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 1083):

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

19.1.7.10.1.3 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 1083):

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

19.1.7.10.1.4 AttendanceContext <AttndncCntxt>*Presence:* [0..1]*Definition:* Human attendance at the POI (Point Of Interaction) location during the transaction.*Datatype:* "AttendanceContext1Code" on page 1026

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.

19.1.7.10.1.5 TransactionEnvironment <TxEnvnt>*Presence:* [0..1]*Definition:* Indicates the environment of the transaction.*Datatype:* "TransactionEnvironment1Code" on page 1078

CodeName	Name	Definition
MERC	Merchant	Merchant environment.
PRIV	Private	Private environment.
PUBL	Public	Public environment.

19.1.7.10.1.6 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 1077

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.

19.1.7.10.1.7 BusinessArea <BizArea>

Presence: [0..1]

Definition: Defines the business context of this transaction that could imply specific scheme rules.

Datatype: "BusinessArea2Code" on page 1031

CodeName	Name	Definition
AIBD	ArtificialIntelligenceBasedDecision	The payment is initiated by an artificial intelligence based decision.
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.
EOPT	EnergyOpenPayment	Indicates when the card is used in an energy business case where the amount could not be assessed when the transaction is initiated.
TOPT	TransitOpenPayment	Indicates when the card is used in a transit business case where the fare amount is not known when the transaction is initiated.

19.1.7.10.1.8 AttendantMessageCapable <AttndntMsgCpbl>

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 1083):

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

19.1.7.10.1.9 AttendantLanguage <AttndntLang>

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 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.7.10.1.10 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Entry mode of the card data.

Datatype: "CardDataReading8Code" on page 1033

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.)

19.1.7.10.1.11 FallbackIndicator <FlbckInd>

Presence: [0..1]

Definition: Indicator of a card entry mode fallback.

Datatype: "CardFallback1Code" on page 1034

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.

19.1.7.10.1.12 SupportedOption <SpprtdOptn>

Presence: [0..*]

Definition: Payment options the card acceptor can support.

Datatype: "SupportedPaymentOption2Code" on page 1074

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.

19.1.7.10.2 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		895
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		895
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		896
	CashierIdentification <CshrId>	[0..1]	Text		896
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	896
	ShiftNumber <ShiftNb>	[0..1]	Text		896
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		896
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		896
	InvoiceNumber <InvNb>	[0..1]	Text		896
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		897
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			897
	CommonName <CmonNm>	[1..1]	Text		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		897
	SplitPayment <SplitPmt>	[0..1]	Indicator		898
	RemainingAmount <RmngAmt>	[0..1]	Amount		898
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		898
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		898
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		898
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		899
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		899

19.1.7.10.2.1 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 1088

19.1.7.10.2.2 SaleReferenceNumber <SaleRefNb>

Presence: [0..1]

Definition: Identify a sale transaction assigned by the sale system.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.3 SaleReconciliationIdentification <SaleRcncldId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

19.1.7.10.2.4 CashierIdentification <CshrlId>

Presence: [0..1]

Definition: Identification of the cashier who carried out the transaction.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.5 CashierLanguage <CshrLang>

Presence: [0..*]

Definition: Languages used by the cashier.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.7.10.2.6 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max2NumericText" on page 1087

19.1.7.10.2.7 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 1083):

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

19.1.7.10.2.8 PurchaseOrderNumber <PurchsOrdNb>

Presence: [0..1]

Definition: Identification of the purchase order.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.9 InvoiceNumber <InvcNb>

Presence: [0..1]

Definition: Identification of the invoice.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.10 DeliveryNoteNumber <DivryNoteNb>

Presence: [0..1]

Definition: Identification allocated by the sale system and given to the customer.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.11 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		897
	Address <Adr>	[0..1]	Text		897
	CountryCode <CtryCd>	[1..1]	CodeSet		897
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		897
	RegisteredIdentifier <Regldr>	[1..1]	Text		897

19.1.7.10.2.11.1 CommonName <CmonNm>

Presence: [1..1]

Definition: Name of the merchant.

Datatype: "Max70Text" on page 1090

19.1.7.10.2.11.2 Address <Adr>

Presence: [0..1]

Definition: Location of the merchant.

Datatype: "Max140Text" on page 1086

19.1.7.10.2.11.3 CountryCode <CtryCd>

Presence: [1..1]

Definition: Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 1047

19.1.7.10.2.11.4 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 1091

19.1.7.10.2.11.5 RegisteredIdentifier <Regldr>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1088

19.1.7.10.2.12 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 1083):

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

19.1.7.10.2.13 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 1013

19.1.7.10.2.14 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 1083):

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

19.1.7.10.2.15 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 1083):

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

19.1.7.10.2.16 AllowedEntryMode <AllwdNtryMd>

Presence: [0..*]

Definition: Type of card data reading.

Datatype: "CardDataReading8Code" on page 1033

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.)

19.1.7.10.2.17 SaleTokenScope <SaleTknScp>

Presence: [0..1]

Definition: Scope of the token that identifies the payment mean of the customer.

Datatype: "SaleTokenScope1Code" on page 1072

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.

19.1.7.10.2.18 AdditionalSaleData <AddtlSaleData>

Presence: [0..1]

Definition: Additional information associated with the sale transaction.

Datatype: "Max70Text" on page 1090

19.1.7.10.3 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]			900
	Debtor <Dbtr>	[0..1]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904
	CreditorIdentification <CdtrId>	[1..1]			904
	Creditor <Cdtr>	[1..1]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906
	MandateRelatedInformation <MndtRltdInf>	[1..1]			906
	MandateIdentification <MndtId>	[1..1]	Text		907
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

19.1.7.10.3.1 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]			901
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902
	AccountIdentification <AcctId>	[0..1]			903
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification <Id>	[1..1]	Text		904

19.1.7.10.3.1.1 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	901
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		902
Or}	NameAndAddress <NmAndAdr>	[1..1]			902
	Name <Nm>	[1..1]	Text		902
	Address <Adr>	[1..1]	±		902

19.1.7.10.3.1.1.1 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 1082

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.

19.1.7.10.3.1.1.2 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 762 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		762
	Issuer <Issr>	[1..1]	Text		762
	SchemeName <SchmeNm>	[0..1]	Text		763

19.1.7.10.3.1.1.3 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		902
	Address <Adr>	[1..1]	±		902

19.1.7.10.3.1.1.3.1 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 1090

19.1.7.10.3.1.1.3.2 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 1005 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		1005
	PostCodeIdentification <PstCdd>	[1..1]	Text		1005
	TownName <TwnNm>	[1..1]	Text		1005
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1005
	Country <Ctry>	[1..1]	CodeSet	C3	1006

19.1.7.10.3.1.2 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	903
Or	BBAN <BBAN>	[1..1]	IdentifierSet		903
Or	UPIC <UPIC>	[1..1]	IdentifierSet		904
Or}	DomesticAccount <DmstAcct>	[1..1]			904
	Identification </d>	[1..1]	Text		904

19.1.7.10.3.1.2.1 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 1083

Constraints

- IBAN**

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

19.1.7.10.3.1.2.2 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 1082

19.1.7.10.3.1.2.3 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 1083

19.1.7.10.3.1.2.4 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		904

19.1.7.10.3.1.2.4.1 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 1088

19.1.7.10.3.2 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]			905
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906
	RegistrationIdentification <RegnId>	[0..1]	Text		906

19.1.7.10.3.2.1 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	905
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		905
Or}	NameAndAddress <NmAndAdr>	[1..1]			905
	Name <Nm>	[1..1]	Text		906
	Address <Adr>	[1..1]	±		906

19.1.7.10.3.2.1.1 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 1082**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.

19.1.7.10.3.2.1.2 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 762 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		762
	Issuer <Issr>	[1..1]	Text		762
	SchemeName <SchmeNm>	[0..1]	Text		763

19.1.7.10.3.2.1.3 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		906
	Address <Adr>	[1..1]	±		906

19.1.7.10.3.2.1.3.1 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 1090

19.1.7.10.3.2.1.3.2 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 1005 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		1005
	PostCodeIdentification <PstCdId>	[1..1]	Text		1005
	TownName <TwnNm>	[1..1]	Text		1005
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1005
	Country <Ctry>	[1..1]	CodeSet	C3	1006

19.1.7.10.3.2.2 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 1088

19.1.7.10.3.3 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		907
	DateOfSignature <DtOfSgntr>	[0..1]	Date		907
	MandateImage <MndtImg>	[0..1]	Binary		907

19.1.7.10.3.3.1 MandateIdentification <MndtId>*Presence:* [1..1]*Definition:* Unique identification, as assigned by the creditor, to unambiguously identify the mandate.*Datatype:* "Max35Text" on page 1088**19.1.7.10.3.3.2 DateOfSignature <DtOfSgntr>***Presence:* [0..1]*Definition:* Date on which the direct debit mandate has been signed by the debtor.*Datatype:* "ISODate" on page 1081**19.1.7.10.3.3.3 MandateImage <MndtImg>***Presence:* [0..1]*Definition:* Image of scanned signed mandate.*Datatype:* "Max2MBBinary" on page 1015**19.1.7.11 LoyaltyAccount3***Definition:* Loyalty Account description.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LltyId>	[1..1]	Text		907
	EntryMode <NtryMd>	[0..1]	CodeSet		907
	IdentificationType <IdTp>	[0..1]	CodeSet		908
	Brand <Brnd>	[0..1]	Text		908
	Provider <Prvdr>	[0..1]	Text		909
	OwnerName <OwnrNm>	[0..1]	Text		909
	Unit <Unit>	[0..1]	CodeSet		909
	Currency <Ccy>	[0..1]	CodeSet	C1	909
	Balance <Bal>	[0..1]	Amount		909

19.1.7.11.1 LoyaltyIdentification <LltyId>*Presence:* [1..1]*Definition:* Identification of Loyalty Account.*Datatype:* "Max35Text" on page 1088**19.1.7.11.2 EntryMode <NtryMd>***Presence:* [0..1]*Definition:* Standard or last entry mode to access the Loyalty account or card.*Datatype:* "CardDataReading8Code" on page 1033

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.)

19.1.7.11.3 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Loyalty Account.

Datatype: "CardIdentificationType1Code" on page 1034

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.

19.1.7.11.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

19.1.7.11.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Loyalty Account.

Datatype: "Max35Text" on page 1088

19.1.7.11.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

19.1.7.11.7 Unit <Unit>

Presence: [0..1]

Definition: Unit of a Loyalty Account (Point or Currency).

Datatype: "AmountUnit1Code" on page 1026

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

19.1.7.11.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of a Loyalty Account if any.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

19.1.7.11.9 Balance <Bal>

Presence: [0..1]

Definition: Balance of a Loyalty Account.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.12 ResponseType11

Definition: Response of a requested service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		910
	ResponseReason <RspnRsn>	[0..1]	CodeSet		910
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		911

19.1.7.12.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the requested transaction.

Datatype: "Response11Code" on page 1061

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.

19.1.7.12.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "RetailerResultDetail1Code" on page 1063

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").

CodeName	Name	Definition
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 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.

19.1.7.12.3 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max140Text" on page 1086

19.1.7.13 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		912
	Type <Tp>	[0..1]	Text		912
	Provider <Prvdr>	[0..1]	Text		912

19.1.7.13.1 Identification <Id>*Presence:* [0..1]*Definition:* Identifier of the component.*Datatype:* "Max35Text" on page 1088**19.1.7.13.2 Type <Tp>***Presence:* [0..1]*Definition:* Type of component.*Datatype:* "Max70Text" on page 1090**19.1.7.13.3 Provider <Prvdr>***Presence:* [0..1]*Definition:* Provider of the component.*Datatype:* "Max35Text" on page 1088**19.1.7.14 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		912
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		912
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		913
	StartDate <StartDt>	[1..1]	DateTime		913
	EndDate <EndDt>	[0..1]	DateTime		913
	Unit <Unit>	[0..1]	CodeSet		913
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		913
	CurrentAmount <CurAmt>	[0..1]	Amount		913
	Currency <Ccy>	[0..1]	CodeSet	C1	913
	AccessedBy <AccsdBy>	[0..1]	Text		914
	AdditionalInformation <AddtlInf>	[0..1]	Text		914

19.1.7.14.1 CustomerOrderIdentification <CstmrOrdrlId>*Presence:* [1..1]*Definition:* Identification of a customer order.*Datatype:* "Max35Text" on page 1088**19.1.7.14.2 SaleReferenceIdentification <SaleRefId>***Presence:* [1..1]*Definition:* Identification of a Sale transaction for a sequence of related POI transactions.

Datatype: "Max35Text" on page 1088

19.1.7.14.3 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 1083):

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

19.1.7.14.4 StartDate <StartDt>

Presence: [1..1]

Definition: Date time of the beginning of an operation.

Datatype: "ISODatetime" on page 1081

19.1.7.14.5 EndDate <EndDt>

Presence: [0..1]

Definition: Date time of the end of an operation.

Datatype: "ISODatetime" on page 1081

19.1.7.14.6 Unit <Unit>

Presence: [0..1]

Definition: Unit of amount.

Datatype: "AmountUnit1Code" on page 1026

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

19.1.7.14.7 ForecastedAmount <FrcstdAmt>

Presence: [1..1]

Definition: Initial or global amount of the order.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.14.8 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Total amount of all completed transactions of a customer order.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.14.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of monetary amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

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.

19.1.7.14.10 AccessedBy <AccsdBy>

Presence: [0..1]

Definition: Identification of an entity accessing data to perform an operation.

Datatype: "Max35Text" on page 1088

19.1.7.14.11 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Unqualified information related to customer order.

Datatype: "Max1025Text" on page 1085

19.1.7.15 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		915
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		915
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		916
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		916
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		916
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		916
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		916
	MessageCapabilities <MsgCpblties>	[0..*]			917
	Destination <Dstn>	[1..*]	CodeSet		917
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		917
	NumberOfLines <NbOfLines>	[0..1]	Quantity		918
	LineWidth <LineWidth>	[0..1]	Quantity		918
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	918

19.1.7.15.1 CardReadingCapabilities <CardRdngCpblties>*Presence:* [0..*]*Definition:* Card reading capabilities of the POI (Point Of Interaction) performing the transaction.*Datatype:* "CardDataReading8Code" on page 1033

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.)

19.1.7.15.2 CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>*Presence:* [0..*]*Definition:* Cardholder verification capabilities of the POI (Point Of Interaction) performing the transaction.*Datatype:* "CardholderVerificationCapability4Code" on page 1034

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.

CodeName	Name	Definition
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.

19.1.7.15.3 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 1084

19.1.7.15.4 ApprovalCodeLength <ApprvlCdLngh>

Presence: [0..1]

Definition: Maximum number of characters of the approval code the POI is able to manage.

Datatype: "PositiveNumber" on page 1084

19.1.7.15.5 MaxScriptLength <MxScrpLngh>

Presence: [0..1]

Definition: Maximum data length in bytes that a card issuer can return to the ICC at the terminal.

Datatype: "PositiveNumber" on page 1084

19.1.7.15.6 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 1083):

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

19.1.7.15.7 OnLineCapabilities <OnLineCpblties>

Presence: [0..1]

Definition: On-line and off-line capabilities of the POI (Point Of Interaction).

Datatype: "OnLineCapability1Code" on page 1051

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.

19.1.7.15.8 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		917
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		917
	NumberOfLines <NbOfLines>	[0..1]	Quantity		918
	LineWidth <LineWidth>	[0..1]	Quantity		918
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	918

19.1.7.15.8.1 Destination <Dstn>

Presence: [1..*]

Definition: Destination of the message to present.

Datatype: "UserInterface4Code" on page 1081

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.

19.1.7.15.8.2 AvailableFormat <AvlblFrmt>

Presence: [0..*]

Definition: Available message format.

Datatype: "OutputFormat1Code" on page 1052

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.
TEXT	SimpleText	Text without format attributes.

CodeName	Name	Definition
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

19.1.7.15.8.3 NumberOfLines <NbOfLines>

Presence: [0..1]

Definition: Number of lines of the display.

Datatype: "Number" on page 1084

19.1.7.15.8.4 LineWidth <LineWidth>

Presence: [0..1]

Definition: Number of columns of the display or printer.

Datatype: "Number" on page 1084

19.1.7.15.8.5 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 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.7.16 AggregationTransaction3

Definition: Payment transaction with an aggregated amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		918
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		919
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		919
	IndividualPayment <IndvPmt>	[0..*]			919
	Amount <Amt>	[1..1]	Amount		919
	DateTime <DtTm>	[1..1]	DateTime		919
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		919
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		920
	Label <Lbl>	[0..1]	Text		920

19.1.7.16.1 FirstPaymentDateTime <FrstPmtDtTm>

Presence: [0..1]

Definition: Date and time of the first payment.

Datatype: "ISODateTime" on page 1081

19.1.7.16.2 LastPaymentDateTime <LastPmtDtTm>

Presence: [0..1]

Definition: Date and time of the last payment.

Datatype: "ISODateTime" on page 1081

19.1.7.16.3 NumberOfPayments <NbOfPmts>

Presence: [0..1]

Definition: Total number of payments that has been aggregated.

Datatype: "Number" on page 1084

19.1.7.16.4 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		919
	DateTime <DtTm>	[1..1]	DateTime		919
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		919
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		920
	Label <Lbl>	[0..1]	Text		920

19.1.7.16.4.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.16.4.2 DateTime <DtTm>

Presence: [1..1]

Definition: Date and time of the payment.

Datatype: "ISODateTime" on page 1081

19.1.7.16.4.3 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Card data entry mode for the related payment.

Datatype: "CardDataReading8Code" on page 1033

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.)

19.1.7.16.4.4 ICCRelatedData <ICCRIttdData>

Presence: [0..1]

Definition: Data of an integrated circuit card application for the related payment.

Datatype: "Max10000Binary" on page 1014

19.1.7.16.4.5 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max140Text" on page 1086

19.1.7.17 Product6

Definition: Purchased item.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		921
	ProductCode <PdctCd>	[1..1]	Text		921
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		921
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		921
	ProductQuantity <PdctQty>	[0..1]	Quantity		923
	UnitPrice <UnitPric>	[0..1]	Amount		923
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		923
	ProductAmount <PdctAmt>	[1..1]	Amount		924
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		924
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		924
	TaxType <TaxTp>	[0..1]	Text		924
	ProductDescription <PdctDesc>	[0..1]	Text		924
	DeliveryLocation <DlvryLctn>	[0..1]	Text		924
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		924
	SaleChannel <SaleChanl>	[0..1]	Text		925
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		925

19.1.7.17.1 ItemIdentification <ItmId>

Presence: [0..1]

Definition: Identification of the item inside the purchase transaction.

Datatype: "Max35Text" on page 1088

19.1.7.17.2 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 1090

19.1.7.17.3 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 1090

19.1.7.17.4 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure6Code" on page 1079

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.

19.1.7.17.5 ProductQuantity <PdctQty>*Presence:* [0..1]*Definition:* Product quantity.*Datatype:* "DecimalNumber" on page 1084**19.1.7.17.6 UnitPrice <UnitPric>***Presence:* [0..1]*Definition:* Price per unit of product.*Datatype:* "ImpliedCurrencyAndAmount" on page 1013**19.1.7.17.7 UnitPriceSign <UnitPricSgn>***Presence:* [0..1]*Definition:* Sign of the unit price.*Datatype:* One of the following values must be used (see "PlusOrMinusIndicator" on page 1083):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.7.17.8 ProductAmount <PdctAmt>

Presence: [1..1]

Definition: Monetary value of purchased product.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.17.9 ProductAmountSign <PdctAmtSgn>

Presence: [0..1]

Definition: Sign of the product amount.

Datatype: One of the following values must be used (see "PlusOrMinusIndicator" on page 1083):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.7.17.10 ValueAddedTax <ValAddedTax>

Presence: [0..1]

Definition: Value added tax amount of the item included in the product amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.17.11 TaxType <TaxTp>

Presence: [0..1]

Definition: Information on tax paid on the product.

Datatype: "Max35Text" on page 1088

19.1.7.17.12 ProductDescription <PdctDesc>

Presence: [0..1]

Definition: Description of the product or item.

Datatype: "Max140Text" on page 1086

19.1.7.17.13 DeliveryLocation <DlvryLctn>

Presence: [0..1]

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

Datatype: "Max10Text" on page 1086

19.1.7.17.14 DeliveryService <DlvrySvc>

Presence: [0..1]

Definition: Identify the method of delivery or distribution of the item.

Datatype: "AttendanceContext2Code" on page 1027

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.

19.1.7.17.15 SaleChannel <SaleChanI>

Presence: [0..1]

Definition: Commercial or distribution channel associated to the line item.

Datatype: "Max70Text" on page 1090

19.1.7.17.16 AdditionalProductDescription <AddtlPdctDesc>

Presence: [0..1]

Definition: Additional information related to the line item.

Datatype: "Max256Text" on page 1087

19.1.7.18 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		926
	TrailerNumber <TrlrNb>	[0..1]	Text		926
	VehicleTag <VhclTag>	[0..1]	Text		927
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		927
	UnitNumber <UnitNb>	[0..1]	Text		927
	ReplacementCar <RplcmntCar>	[0..1]	Indicator		927
	Odometer <Odmtr>	[0..1]	Quantity		927
	Hubometer <Hbmtr>	[0..1]	Quantity		928
	TrailerHours <TrlrHrs>	[0..1]	Text		928
	ReferHours <RefrHrs>	[0..1]	Text		928
	Maintenanceldentification <Mntncld>	[0..1]	Text		928
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			928
	PAN <PAN>	[0..1]	Text		928
	Track1 <Trck1>	[0..1]	Text		929
	Track2 <Trck2>	[0..1]	Text		929
	Track3 <Trck3>	[0..1]	Text		929
	AdditionalCardData <AddtlCardData>	[0..*]	Text		929
	EntryMode <NtryMd>	[0..1]	CodeSet		929
	AdditionalVehicleData <AddtlVhclData>	[0..*]			930
	Type <Tp>	[0..1]	Text		930
	EntryMode <NtryMd>	[0..1]	CodeSet		930
	Data <Data>	[1..1]	Text		931

19.1.7.18.1 VehicleNumber <VhclNb>

Presence: [0..1]

Definition: Number assigned to the vehicle for identification.

Datatype: "Max35NumericText" on page 1088

19.1.7.18.2 TrailerNumber <TrlrNb>

Presence: [0..1]

Definition: Number assigned to the vehicle trailer for identification.

Datatype: "Max35NumericText" on page 1088

19.1.7.18.3 VehicleTag <VhclTag>*Presence:* [0..1]*Definition:* Registration tag of the vehicle.*Datatype:* "Max35Text" on page 1088**19.1.7.18.4 VehicleTagEntryMode <VhclTagNtryMd>***Presence:* [0..1]*Definition:* Entry mode of the registration tag.*Datatype:* "CardDataReading5Code" on page 1032

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.

19.1.7.18.5 UnitNumber <UnitNb>*Presence:* [0..1]*Definition:* Identification of the vehicle in the fleet.*Datatype:* "Max35NumericText" on page 1088**19.1.7.18.6 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 1083):

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

19.1.7.18.7 Odometer <Odmtr>*Presence:* [0..1]*Definition:* Odometer reading value indicating the distance travelled by the vehicle.

Datatype: "DecimalNumber" on page 1084

19.1.7.18.8 Hubometer <Hbmtr>

Presence: [0..1]

Definition: Hubometer reading value indicating the distance travelled by the trailer.

Datatype: "DecimalNumber" on page 1084

19.1.7.18.9 TrailerHours <TrlrHrs>

Presence: [0..1]

Definition: Number of hours the trailer has been in operation.

Datatype: "Max35Text" on page 1088

19.1.7.18.10 ReferHours <RefrHrs>

Presence: [0..1]

Definition: Number of hours the refer unit has been in operation.

Datatype: "Max35Text" on page 1088

19.1.7.18.11 Maintenanceldentification <Mntncld>

Presence: [0..1]

Definition: Identification assigned to the vehicle related to maintenance.

Datatype: "Max35Text" on page 1088

19.1.7.18.12 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		928
	Track1 <Trck1>	[0..1]	Text		929
	Track2 <Trck2>	[0..1]	Text		929
	Track3 <Trck3>	[0..1]	Text		929
	AdditionalCardData <AddtlCardData>	[0..*]	Text		929
	EntryMode <NtryMd>	[0..1]	CodeSet		929

19.1.7.18.12.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1091

19.1.7.18.12.2 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 1090**19.1.7.18.12.3 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 1088**19.1.7.18.12.4 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 1086**19.1.7.18.12.5 AdditionalCardData <AddtlCardData>***Presence:* [0..*]*Definition:* Additional card issuer specific data.*Datatype:* "Max35Text" on page 1088**19.1.7.18.12.6 EntryMode <NtryMd>***Presence:* [0..1]*Definition:* Entry mode of the card.*Datatype:* "CardDataReading5Code" on page 1032

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.

19.1.7.18.13 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		930
	EntryMode <NtryMd>	[0..1]	CodeSet		930
	Data <Data>	[1..1]	Text		931

19.1.7.18.13.1 Type <Tp>

Presence: [0..1]

Definition: Type of information related to the vehicle.

Datatype: "Max35Text" on page 1088

19.1.7.18.13.2 EntryMode <NtryMd>

Presence: [0..1]

Definition: Entry mode of the information.

Datatype: "CardDataReading5Code" on page 1032

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.

19.1.7.18.13.3 Data <Data>*Presence:* [1..1]*Definition:* Information related to the vehicle.*Datatype:* "Max35Text" on page 1088**19.1.7.19 TransactionIdentifier1***Definition:* Identification of the transaction in an unambiguous way.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		931
	TransactionReference <TxRef>	[1..1]	Text		931

19.1.7.19.1 TransactionDateTime <TxDtTm>*Presence:* [1..1]*Definition:* Local date and time of the transaction assigned by the POI (Point Of Interaction).*Datatype:* "ISODateTime" on page 1081**19.1.7.19.2 TransactionReference <TxRef>***Presence:* [1..1]*Definition:* Identification of the transaction that has to be unique for a time period.*Datatype:* "Max35Text" on page 1088**19.1.8 Monitoring****19.1.8.1 Traceability8***Definition:* Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		931
	ProtocolName <PrtcolNm>	[0..1]	Text		932
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		932
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		932
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		932

19.1.8.1.1 RelayIdentification <RlayId>*Presence:* [1..1]*Definition:* Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		755
	Type <Tp>	[0..1]	CodeSet		755
	Issuer <Issr>	[0..1]	CodeSet		756
	Country <Ctry>	[0..1]	Text		756
	ShortName <ShrtNm>	[0..1]	Text		756
	RemoteAccess <RmotAccs>	[0..1]	±		757
	Geolocation <Glctn>	[0..1]			757
	GeographicCoordinates <GeogcCordints>	[0..1]			757
	Latitude <Lat>	[1..1]	Text		758
	Longitude <Long>	[1..1]	Text		758
	UTMCoordinates <UTMCordints>	[0..1]			758
	UTMZone <UTMZone>	[1..1]	Text		758
	UTMEastward <UTMEstwrdr>	[1..1]	Text		758
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		759

19.1.8.1.2 ProtocolName <PrtcolNm>

Presence: [0..1]

Definition: Name of the outgoing protocol used by the node.

Datatype: "[Max35Text](#)" on page 1088

19.1.8.1.3 ProtocolVersion <PrtcolVrsn>

Presence: [0..1]

Definition: Version of the protocol.

Datatype: "[Max6Text](#)" on page 1089

19.1.8.1.4 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 1081

19.1.8.1.5 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 1081

19.1.8.2 TMSEvent11

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		933
	Result <RsIt>	[1..1]	CodeSet		933
	ActionIdentification <ActnId>	[1..1]			934
	ActionType <ActnTp>	[1..1]	CodeSet		934
	DataSetIdentification <DataSetId>	[0..1]	±		935
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		935
	TerminalManagerIdentification <TermnlMgrld>	[0..1]	Text		935
	DeviceResponse <DvcRspn>	[0..1]	±		935

19.1.8.2.1 TimeStamp <TmStmp>

Presence: [1..1]

Definition: Date time of the terminal management action performed by the point of interaction.

Datatype: "ISODatetime" on page 1081

19.1.8.2.2 Result <RsIt>

Presence: [1..1]

Definition: Final result of the processed terminal management action.

Datatype: "TerminalManagementActionResult5Code" on page 1075

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.

19.1.8.2.3 ActionIdentification <ActnId>

Presence: [1..1]

Definition: Identification of the terminal management action performed by the point of interaction.

ActionIdentification <ActnId> contains the following **TMSActionIdentification9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		934
	DataSetIdentification <DataSetId>	[0..1]	±		935

19.1.8.2.3.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Types of terminal management action performed by a point of interaction.

Datatype: "TerminalManagementAction5Code" on page 1074

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.

19.1.8.2.3.2 DataSetIdentification <DataSetId>

Presence: [0..1]

Definition: Data set on which the action has been performed.

DataSetIdentification <DataSetId> contains the following elements (see "[DataSetIdentification10](#)" on page 885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		885
	Type <Tp>	[1..1]	CodeSet		885
	Version <Vrsn>	[0..1]	Text		886
	CreationDateTime <CreDtTm>	[0..1]	DateTime		887

19.1.8.2.4 AdditionalErrorInformation <AddtlErrInf>

Presence: [0..1]

Definition: Additional information related to a failure.

Datatype: "[Max70Text](#)" on page 1090

19.1.8.2.5 TerminalManagerIdentification <TermnlMgrId>

Presence: [0..1]

Definition: Identification of the terminal management system (TMS) used with the action.

Datatype: "[Max35Text](#)" on page 1088

19.1.8.2.6 DeviceResponse <DvcRspn>

Presence: [0..1]

Definition: Response of a device request done previously.

DeviceResponse <DvcRspn> contains the following elements (see "DeviceResponse7" on page 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		677
	Context <Cntxt>	[0..1]	±		683
	ServiceContent <SvcCntt>	[1..1]	CodeSet		686
	DisplayResponse <DispRspn>	[0..1]			686
	OutputResult <OutptRslt>	[1..*]			687
	DeviceType <DvcTp>	[1..1]	CodeSet		687
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		687
	Response <Rspn>	[1..1]	±		688
	InputResponse <InptRspn>	[0..1]			688
	OutputResult <OutptRslt>	[0..1]			689
	DeviceType <DvcTp>	[1..1]	CodeSet		689
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		690
	Response <Rspn>	[1..1]	±		691
	InputResult <InptRslt>	[1..1]			691
	DeviceType <DvcTp>	[1..1]	CodeSet		691
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		692
	InputResultData <InptRsltData>	[1..1]			692
	InputCommand <InptCmd>	[1..1]	CodeSet		693
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		694
	FunctionKey <FctnKey>	[0..1]	Quantity		694
	InputMessage <InptMsg>	[0..1]	Text		694
	Password <Pwd>	[0..1]	±		694
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			695
	ImageFormat <ImgFrmt>	[1..1]	Text		695
	ImageData <ImgData>	[0..1]	Binary		695
	ImageReference <ImgRef>	[0..1]	Text		695
	AdditionalInformation <AddtlInf>	[0..1]	Text		695
	PrintResponse <PrtRspn>	[0..1]			695
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		695
	SecureInputResponse <ScrInptRspn>	[0..1]			696

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderPIN <CrhdldrPIN>	[0..1]			696
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		697
	PINFormat <PINFrmt>	[1..1]	CodeSet		697
	AdditionalInput <AddtlInpt>	[0..1]	Text		697
	InitialisationCardReaderResponse <InitlstnCardRdrRspn>	[0..1]			697
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		698
	ICCRResetData <ICCRstData>	[0..1]			698
	ATRValue <ATRVal>	[0..1]	Binary		699
	CardStatus <CardSts>	[0..1]	Binary		699
	AdditionalInformation <AddtlInf>	[0..1]	Binary		699
	CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>	[0..1]			699
	Data <Data>	[0..1]	Binary		699
	CardStatus <CardSts>	[1..1]	Binary		699
	TransmissionResponse <TrnsmssnRspn>	[0..1]			700
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		700
	Response <Rspn>	[1..1]	±		700
	SupplementaryData <SplmtryData>	[0..*]	±	C5	700

19.1.9 Network Access

19.1.9.1 NetworkParameters7

Definition: Parameters to communicate with a host.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			938
	NetworkType <NtwkTp>	[1..1]	CodeSet		938
	AddressValue <AdrVal>	[1..1]	Text		938
	UserName <UsrNm>	[0..1]	Text		938
	AccessCode <AccsCd>	[0..1]	Binary		939
	ServerCertificate <SvrCert>	[0..*]	Binary		939
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		939
	ClientCertificate <ClntCert>	[0..*]	Binary		939
	SecurityProfile <SctyPrfl>	[0..1]	Text		939

19.1.9.1.1 Address <Adr>

Presence: [1..*]

Definition: Network addresses of the host.

Address <Adr> contains the following **NetworkParameters9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NetworkType <NtwkTp>	[1..1]	CodeSet		938
	AddressValue <AdrVal>	[1..1]	Text		938

19.1.9.1.1.1 NetworkType <NtwkTp>

Presence: [1..1]

Definition: Type of communication network.

Datatype: "NetworkType1Code" on page 1051

CodeName	Name	Definition
IPNW	InternetProtocol	Protocol of an IP network.
PSTN	PublicTelephone	Protocol of a Public Switched Telephone Network (PSTN).

19.1.9.1.1.2 AddressValue <AdrVal>

Presence: [1..1]

Definition: Value of the address. The value of an internet protocol address contains the IP address or the DNS (Domain Name Server) address, followed by the character ':' and the port number if the default port is not used. The value of a public telephone address contains the phone number with possible prefix and extensions.

Datatype: "Max500Text" on page 1089

19.1.9.1.2 UserName <UsrNm>

Presence: [0..1]

Definition: User name identifying the client.

Datatype: "Max35Text" on page 1088

19.1.9.1.3 AccessCode <AccsCd>

Presence: [0..1]

Definition: Password authenticating the client.

Datatype: "Max35Binary" on page 1015

19.1.9.1.4 ServerCertificate <SvrCert>

Presence: [0..*]

Definition: X.509 Certificate required to authenticate the server.

Datatype: "Max10KBinary" on page 1014

19.1.9.1.5 ServerCertificateIdentifier <SvrCertIdr>

Presence: [0..*]

Definition: Identification of the X.509 Certificates required to authenticate the server, for instance a digest of the certificate.

Datatype: "Max140Binary" on page 1014

19.1.9.1.6 ClientCertificate <CIntCert>

Presence: [0..*]

Definition: X.509 Certificate required to authenticate the client.

Datatype: "Max10KBinary" on page 1014

19.1.9.1.7 SecurityProfile <SctyPrfl>

Presence: [0..1]

Definition: Identification of the set of security elements to access the host.

Datatype: "Max35Text" on page 1088

19.1.10 Postal Address

19.1.10.1 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		940
	Department <Dept>	[0..1]	Text		940
	SubDepartment <SubDept>	[0..1]	Text		940
	AddressLine <AdrLine>	[0..2]	Text		940
	StreetName <StrtNm>	[0..1]	Text		941
	BuildingNumber <BldgNb>	[0..1]	Text		941
	PostCode <PstCd>	[0..1]	Text		941
	TownName <TwnNm>	[0..1]	Text		941
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		941
	CountryCode <CtryCd>	[0..1]	Text		941

19.1.10.1.1 AddressType <AdrTp>

Presence: [0..1]

Definition: Identifies the nature of the postal address.

Datatype: "AddressType2Code" on page 1017

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.

19.1.10.1.2 Department <Dept>

Presence: [0..1]

Definition: Identification of a division of a large organisation or building.

Datatype: "Max70Text" on page 1090

19.1.10.1.3 SubDepartment <SubDept>

Presence: [0..1]

Definition: Identification of a sub-division of a large organisation or building.

Datatype: "Max70Text" on page 1090

19.1.10.1.4 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 1090

19.1.10.1.5 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1090

19.1.10.1.6 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1086

19.1.10.1.7 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 1086

19.1.10.1.8 TownName <TwnNm>

Presence: [0..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max70Text" on page 1090

19.1.10.1.9 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country such as state, region, county.

Datatype: "Max35Text" on page 1088

19.1.10.1.10 CountryCode <CtryCd>

Presence: [0..1]

Definition: Nation with its own government.

Datatype: "Min2Max3AlphaText" on page 1091

19.1.11 Secure Element

19.1.11.1 EncapsulatedContent3

Definition: Data to authenticate.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		942
	Content <Cntt>	[0..1]	Binary		942

19.1.11.1.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been authenticated.

Datatype: "ContentType2Code" on page 1038

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).

19.1.11.1.2 Content <Cntt>

Presence: [0..1]

Definition: Actual data to authenticate.

Datatype: "Max100KBinary" on page 1014

19.1.11.2 AlgorithmIdentification36

Definition: Cryptographic algorithm and parameters of digests.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		942

19.1.11.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm26Code" on page 1018

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).
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).
SMS3	SM3	ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018.

19.1.11.3 AlgorithmIdentification35

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		943
	Parameter <Param>	[0..1]			944
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		944
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		944
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		945

19.1.11.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Asymmetric encryption algorithm of a transport key.

Datatype: "Algorithm7Code" on page 1026

CodeName	Name	Definition
ERSA	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSAO	RSAAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

19.1.11.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters of the encryption algorithm.

Parameter <Param> contains the following **Parameter17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		944
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		944
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		945

19.1.11.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1042

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.

19.1.11.3.2.2 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm26Code" on page 1018

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).

CodeName	Name	Definition
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).
SMS3	SM3	ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018.

19.1.11.3.2.3 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following elements (see "AlgorithmIdentification34" on page 945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		946
	Parameter <Param>	[0..1]			946
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		946

19.1.11.4 AlgorithmIdentification34

Definition: Mask generator function cryptographic algorithm and parameters.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		946
	Parameter <Param>	[0..1]			946
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		946

19.1.11.4.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 1026

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA igital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1).

19.1.11.4.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm.

Parameter <Param> contains the following **Parameter18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		946

19.1.11.4.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm26Code" on page 1018

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).

CodeName	Name	Definition
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).
SMS3	SM3	ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018.

19.1.11.5 AlgorithmIdentification33

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		947
	Parameter <Param>	[0..1]			950
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		950
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		951
	SaltLength <SaltLngth>	[0..1]	Quantity		951
	TrailerField <TrlrFld>	[0..1]	Quantity		952
	OIDCurveName <OIDCrvNm>	[0..1]	Text		952

19.1.11.5.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm29Code" on page 1023

CodeName	Name	Definition
ERS2	SHA256WithRSA	Signature algorithms with RSA, using SHA-256 digest algorithm - (ASN.1 Object Identifier: sha256WithRSAEncryption).

CodeName	Name	Definition
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.
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.
EF32	EcdsaSha3-256	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.

CodeName	Name	Definition
EF22	EcfdsdaSha256	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
EF33	EcfdsdaSha3-384	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
EF35	EcfdsdaSha3-512	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm.
EF23	EcfdsdaSha384	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
EO33	EcosdsaSha3-384	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
EF25	EcfdsdaSha512	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
EO32	EcosdaSha3-256	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
EO22	EcosdsaSha256	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
EO35	EcosdsaSha3-512	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm.
EO23	EcosdsaSha384	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
EO25	EcosdsaSha512	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
DD22	EddsaSha256	Edward Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
DD32	EddsaSha3-256	Edward Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
DD33	EddsaSha3-384	Edward Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
DD35	EddsaSha3-512	Edward Curve Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm.
DD23	EddsaSha384	Edward Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
DD25	EddsaSha512	Edward Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.

CodeName	Name	Definition
SM22	SM2Sha256	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
SM33	SM2Sha3-384	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
SM32	SM2Sha3-256	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
SM35	SM2Sha3-512	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm.
SM23	SM2Sha384	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
SM25	SM2Sha512	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
S2S3	SM2SM3	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with ShangMi3 Digest Algorithm.

19.1.11.5.2 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 **Parameter16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		950
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		951
	SaltLength <SaltLngth>	[0..1]	Quantity		951
	TrailerField <TrlrFld>	[0..1]	Quantity		952
	OIDCurveName <OIDCrvNm>	[0..1]	Text		952

19.1.11.5.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm26Code" on page 1018

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).
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).
SMS3	SM3	ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018.

19.1.11.5.2.2 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following elements (see "[AlgorithmIdentification34](#)" on page 945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		946
	Parameter <Param>	[0..1]			946
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		946

19.1.11.5.2.3 SaltLength <SaltLngth>

Presence: [0..1]

Definition: Length of the salt to include in the signature.

Datatype: "Number" on page 1084

19.1.11.5.2.4 TrailerField <TrlrFld>*Presence:* [0..1]*Definition:* Trailer field number.*Datatype:* "Number" on page 1084**19.1.11.5.2.5 OIDCurveName <OIDCrvNm>***Presence:* [0..1]*Definition:* Name of the Elliptic Curve according to the OID notation.*Datatype:* "Max140Text" on page 1086**19.1.11.6 AlgorithmIdentification31***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		952
	Parameter <Param>	[0..1]			954
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		955
	BytePadding <BPddg>	[0..1]	CodeSet		955

19.1.11.6.1 Algorithm <Algo>*Presence:* [1..1]*Definition:* Identification of the MAC algorithm.*Datatype:* "Algorithm27Code" on page 1019

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).

CodeName	Name	Definition
CMA9	SHA384CMACwithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message.
CMA5	SHA512CMACwithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message.
CMA2	SHA256CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
CM31	SHA3-256CMACWithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). 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.

CodeName	Name	Definition
CM33	SHA3-512CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-512 digest of the message.
MCS3	SHA3-256-3DESMAC	3DES CBC-MAC with SHA3-256 (SecureHash standard) and ISO/IEC9797-1 method 2 padding.
CCA1	CMACAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
CCA2	CMACAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
CCA3	CMACAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
S34C	SM3SM4CBC	ShangMi 4 enciphering method used in CBC mode coupled with ShangMi 3 hash function.
S34R	SM3SM4CTR	ShangMi 4 enciphering method used in CTR mode coupled with ShangMi 3 hash function.

19.1.11.6.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the MAC algorithm.

Parameter <Param> contains the following **Parameter7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		955
	BytePadding <BPddg>	[0..1]	CodeSet		955

19.1.11.6.2.1 InitialisationVector <InitlStnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1016

19.1.11.6.2.2 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 1031

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.

19.1.11.7 AuthenticatedData10

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		956
	Recipient <Rcpt>	[1..*]			957
{Or	KeyTransport <KeyTrnsprt>	[1..1]			957
	Version <Vrsn>	[0..1]	Quantity		958
	RecipientIdentification <RcptId>	[1..1]			958
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			958
	Issuer <Issr>	[1..1]			959
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			959
	AttributeType <AttrTp>	[1..1]	CodeSet		959
	AttributeValue <AttrVal>	[1..1]	Text		960
	SerialNumber <SrlNb>	[1..1]	Binary		960
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		960
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		960
	EncryptedKey <NcrptdKey>	[1..1]	Binary		960
Or	KEK <KEK>	[1..1]			961
	Version <Vrsn>	[0..1]	Quantity		961
	KEKIdentification <KEKId>	[1..1]	±		961
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			961
	Algorithm <Algo>	[1..1]	CodeSet		962
	Parameter <Param>	[0..1]			964
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		964
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		965
	BytePadding <BPddg>	[0..1]	CodeSet		965
	EncryptedKey <NcrptdKey>	[0..1]	Binary		965
Or}	KeyIdentifier <Keyldr>	[1..1]	±		965
	MACAlgorithm <MACAlgo>	[1..1]	±		966
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		966
	MAC <MAC>	[1..1]	Binary		966

19.1.11.7.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.7.2 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or protection key identification used by the recipient.

Recipient <Rcpt> contains one of the following **Recipient15Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			957
	Version <Vrsn>	[0..1]	Quantity		958
	RecipientIdentification <RcptId>	[1..1]			958
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			958
	Issuer <Issr>	[1..1]			959
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			959
	AttributeType <AttrTp>	[1..1]	CodeSet		959
	AttributeValue <AttrVal>	[1..1]	Text		960
	SerialNumber <SrlNb>	[1..1]	Binary		960
	SubjectKeyIdentifier <SbjtKeyIdr>	[1..1]	Binary		960
Or}	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		960
	EncryptedKey <NcrptdKey>	[1..1]	Binary		960
	KEK <KEK>	[1..1]			961
Or	Version <Vrsn>	[0..1]	Quantity		961
	KEKIdentification <KEKId>	[1..1]	±		961
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			961
	Algorithm <Algo>	[1..1]	CodeSet		962
	Parameter <Param>	[0..1]			964
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		964
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		965
	BytePadding <BPddg>	[0..1]	CodeSet		965
	EncryptedKey <NcrptdKey>	[0..1]	Binary		965
	KeyIdentifier <KeyIdr>	[1..1]	±		965

19.1.11.7.2.1 KeyTransport <KeyTrnsprt>

Presence: [1..1]

Definition: Encryption key using previously distributed asymmetric public key.

KeyTransport <KeyTrnsprt> contains the following **KeyTransport10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		958
	RecipientIdentification <Rcptld>	[1..1]			958
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			958
	Issuer <Issr>	[1..1]			959
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			959
	AttributeType <AttrTp>	[1..1]	CodeSet		959
	AttributeValue <AttrVal>	[1..1]	Text		960
	SerialNumber <SrlNb>	[1..1]	Binary		960
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		960
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		960
	EncryptedKey <NcrptdKey>	[1..1]	Binary		960

19.1.11.7.2.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.7.2.1.2 RecipientIdentification <Rcptld>

Presence: [1..1]

Definition: Identification of a cryptographic asymmetric key for the recipient.

RecipientIdentification <Rcptld> contains one of the following **Recipient13Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			958
	Issuer <Issr>	[1..1]			959
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			959
	AttributeType <AttrTp>	[1..1]	CodeSet		959
	AttributeValue <AttrVal>	[1..1]	Text		960
	SerialNumber <SrlNb>	[1..1]	Binary		960
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		960

19.1.11.7.2.1.2.1 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]			959
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			959
	AttributeType <AttrTp>	[1..1]	CodeSet		959
	AttributeValue <AttrVal>	[1..1]	Text		960
	SerialNumber <SrInb>	[1..1]	Binary		960

19.1.11.7.2.1.2.1.1 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..*]			959
	AttributeType <AttrTp>	[1..1]	CodeSet		959
	AttributeValue <AttrVal>	[1..1]	Text		960

19.1.11.7.2.1.2.1.1.1 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		959
	AttributeValue <AttrVal>	[1..1]	Text		960

19.1.11.7.2.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1027

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).

19.1.11.7.2.1.2.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1086

19.1.11.7.2.1.2.1.2 SerialNumber <SrlNb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 1016

19.1.11.7.2.1.2.2 SubjectKeyIdentifier <SbjtKeyldr>

Presence: [1..1]

Definition: Specifies the recipient's certificate by a key identifier.

Datatype: "Max140Binary" on page 1014

19.1.11.7.2.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification35" on page 943 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		943
	Parameter <Param>	[0..1]			944
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		944
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		944
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		945

19.1.11.7.2.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 1015

19.1.11.7.2.2 KEK <KEK>*Presence:* [1..1]*Definition:* Key encryption key using previously distributed symmetric key.**KEK <KEK>** contains the following **KEK9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		961
	KEKIdentification <KEKId>	[1..1]	±		961
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			961
	Algorithm <Algo>	[1..1]	CodeSet		962
	Parameter <Param>	[0..1]			964
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		964
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		965
	BytePadding <BPddg>	[0..1]	CodeSet		965
	EncryptedKey <NcrptdKey>	[0..1]	Binary		965

19.1.11.7.2.2.1 Version <Vrsn>*Presence:* [0..1]*Definition:* Version of the data structure.*Datatype:* "Number" on page 1084**19.1.11.7.2.2.2 KEKIdentification <KEKId>***Presence:* [1..1]*Definition:* Identification of the key encryption key (KEK).**KEKIdentification <KEKId>** contains the following elements (see "KEKIdentifier7" on page 639 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		639
	KeyVersion <KeyVrsn>	[1..1]	Text		639
	SequenceNumber <SeqNb>	[0..1]	Quantity		639
	DerivationIdentification <DerivtnId>	[0..1]	Binary		639

19.1.11.7.2.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>*Presence:* [1..1]*Definition:* Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following **AlgorithmIdentification32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		962
	Parameter <Param>	[0..1]			964
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		964
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		965
	BytePadding <BPddg>	[0..1]	CodeSet		965

19.1.11.7.2.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm28Code" on page 1021

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

CodeName	Name	Definition
		with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
DA12	AESDUKPT128ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits.
DA19	AESDUKPT192ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits.
DA25	AESDUKPT256ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits.
N108	Nist800-108KeyDerivation	Key Derivation according to the Special Publication from the NIST entitled 800-108.
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a.
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS

CodeName	Name	Definition
		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).
SM4C	SM4CBC	ShangMi 4 enciphering method used in CBC mode.
SM4R	SM4CTR	ShangMi 4 enciphering method used in CTR mode.

19.1.11.7.2.3.2 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		964
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		965
	BytePadding <BPddg>	[0..1]	CodeSet		965

19.1.11.7.2.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1042

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.

19.1.11.7.2.3.2.2 InitialisationVector <InitlStnVctr>*Presence:* [0..1]*Definition:* Initialisation vector of a cipher block chaining (CBC) mode encryption.*Datatype:* "Max500Binary" on page 1016**19.1.11.7.2.3.2.3 BytePadding <BPddg>***Presence:* [0..1]*Definition:* Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.*Datatype:* "BytePadding1Code" on page 1031

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.

19.1.11.7.2.2.4 EncryptedKey <NcrptdKey>*Presence:* [0..1]*Definition:* Encrypted key encryption key (KEK).*Datatype:* "Max500Binary" on page 1016**19.1.11.7.2.3 KeyIdentifier <Keyldr>***Presence:* [1..1]*Definition:* Identification of a protection key without a session key, shared and previously exchanged between the initiator and the recipient.**KeyIdentifier <Keyldr>** contains the following elements (see "KEKIdentifier7" on page 639 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <Keyld>	[1..1]	Text		639
	KeyVersion <KeyVrsn>	[1..1]	Text		639
	SequenceNumber <SeqNb>	[0..1]	Quantity		639
	DerivationIdentification <DerivtnId>	[0..1]	Binary		639

19.1.11.7.3 MACAlgorithm <MACAlgo>*Presence:* [1..1]*Definition:* Algorithm to compute message authentication code (MAC).**MACAlgorithm <MACAlgo>** contains the following elements (see "[AlgorithmIdentification31](#)" on page 952 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		952
	Parameter <Param>	[0..1]			954
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		955
	BytePadding <BPddg>	[0..1]	CodeSet		955

19.1.11.7.4 EncapsulatedContent <NcpsltdCntt>*Presence:* [1..1]*Definition:* Data to authenticate.**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "[EncapsulatedContent3](#)" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		942
	Content <Cntt>	[0..1]	Binary		942

19.1.11.7.5 MAC <MAC>*Presence:* [1..1]*Definition:* Message authentication code value.*Datatype:* "[Max140Binary](#)" on page 1014**19.1.11.8 EnvelopedData11***Definition:* Encrypted data with encryption key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		968
	OriginatorInformation <OrgtrlInf>	[0..1]			968
	Certificate <Cert>	[0..*]	Binary		968
	Recipient <Rcpt>	[1..*]			968
{Or	KeyTransport <KeyTrnsprt>	[1..1]			969
	Version <Vrsn>	[0..1]	Quantity		970
	RecipientIdentification <RcptId>	[1..1]			970
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			970
	Issuer <Issr>	[1..1]			971
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			971
	AttributeType <AttrTp>	[1..1]	CodeSet		971
	AttributeValue <AttrVal>	[1..1]	Text		972
	SerialNumber <SrlNb>	[1..1]	Binary		972
Or}	SubjectKeyIdentifier <SbjtkyIdr>	[1..1]	Binary		972
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		972
	EncryptedKey <NcrptdKey>	[1..1]	Binary		972
Or	KEK <KEK>	[1..1]			973
	Version <Vrsn>	[0..1]	Quantity		973
	KEKIdentification <KEKId>	[1..1]	±		973
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			973
	Algorithm <Algo>	[1..1]	CodeSet		974
	Parameter <Param>	[0..1]			976
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		976
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		977
	BytePadding <BPddg>	[0..1]	CodeSet		977
	EncryptedKey <NcrptdKey>	[0..1]	Binary		977
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		977
	EncryptedContent <NcrptdCntt>	[0..1]			978
	ContentType <CnttTp>	[1..1]	CodeSet		978
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]			978
	Algorithm <Algo>	[1..1]	CodeSet		979

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Parameter <Param>	[0..1]			981
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		981
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		982
	BytePadding <BPddg>	[0..1]	CodeSet		982
	EncryptedData <NcrptdData>	[1..1]	Binary		982

19.1.11.8.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.8.2 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		968

19.1.11.8.2.1 Certificate <Cert>

Presence: [0..*]

Definition: It may contain originator certificates associated with several different key management algorithms.

Datatype: "Max5000Binary" on page 1015

19.1.11.8.3 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or identification of the protection key used by the recipient.

Recipient <Rcpt> contains one of the following **Recipient15Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			969
	Version <Vrsn>	[0..1]	Quantity		970
	RecipientIdentification <RcptId>	[1..1]			970
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			970
	Issuer <Issr>	[1..1]			971
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			971
	AttributeType <AttrTp>	[1..1]	CodeSet		971
	AttributeValue <AttrVal>	[1..1]	Text		972
	SerialNumber <SrlNb>	[1..1]	Binary		972
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		972
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		972
	EncryptedKey <NcrptdKey>	[1..1]	Binary		972
Or	KEK <KEK>	[1..1]			973
	Version <Vrsn>	[0..1]	Quantity		973
	KEKIdentification <KEKId>	[1..1]	±		973
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			973
	Algorithm <Algo>	[1..1]	CodeSet		974
	Parameter <Param>	[0..1]			976
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		976
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		977
	BytePadding <BPddg>	[0..1]	CodeSet		977
	EncryptedKey <NcrptdKey>	[0..1]	Binary		977
Or}	KeyIdentifier <Keyldr>	[1..1]	±		977

19.1.11.8.3.1 KeyTransport <KeyTrnsprt>

Presence: [1..1]

Definition: Encryption key using previously distributed asymmetric public key.

KeyTransport <KeyTrnsprt> contains the following **KeyTransport10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		970
	RecipientIdentification <Rcptld>	[1..1]			970
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			970
	Issuer <Issr>	[1..1]			971
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			971
	AttributeType <AttrTp>	[1..1]	CodeSet		971
	AttributeValue <AttrVal>	[1..1]	Text		972
	SerialNumber <SrlNb>	[1..1]	Binary		972
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		972
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		972
	EncryptedKey <NcrptdKey>	[1..1]	Binary		972

19.1.11.8.3.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.8.3.1.2 RecipientIdentification <Rcptld>

Presence: [1..1]

Definition: Identification of a cryptographic asymmetric key for the recipient.

RecipientIdentification <Rcptld> contains one of the following **Recipient13Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			970
	Issuer <Issr>	[1..1]			971
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			971
	AttributeType <AttrTp>	[1..1]	CodeSet		971
	AttributeValue <AttrVal>	[1..1]	Text		972
	SerialNumber <SrlNb>	[1..1]	Binary		972
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		972

19.1.11.8.3.1.2.1 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]			971
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			971
	AttributeType <AttrTp>	[1..1]	CodeSet		971
	AttributeValue <AttrVal>	[1..1]	Text		972
	SerialNumber <SrInb>	[1..1]	Binary		972

19.1.11.8.3.1.2.1.1 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..*]			971
	AttributeType <AttrTp>	[1..1]	CodeSet		971
	AttributeValue <AttrVal>	[1..1]	Text		972

19.1.11.8.3.1.2.1.1.1 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		971
	AttributeValue <AttrVal>	[1..1]	Text		972

19.1.11.8.3.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1027

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).

19.1.11.8.3.1.2.1.1.2 AttributeValue <AttrVal>*Presence:* [1..1]*Definition:* Value of the attribute of a distinguished name (see X.500).*Datatype:* "Max140Text" on page 1086**19.1.11.8.3.1.2.1.2 SerialNumber <SrlNb>***Presence:* [1..1]*Definition:* Certificate serial number (see X.509).*Datatype:* "Max500Binary" on page 1016**19.1.11.8.3.1.2.2 SubjectKeyIdentifier <SbjtKeyldr>***Presence:* [1..1]*Definition:* Specifies the recipient's certificate by a key identifier.*Datatype:* "Max140Binary" on page 1014**19.1.11.8.3.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>***Presence:* [1..1]*Definition:* Algorithm to encrypt the key encryption key (KEK).**KeyEncryptionAlgorithm <KeyNcrptnAlgo>** contains the following elements (see "AlgorithmIdentification35" on page 943 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		943
	Parameter <Param>	[0..1]			944
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		944
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		944
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		945

19.1.11.8.3.1.4 EncryptedKey <NcrptdKey>*Presence:* [1..1]*Definition:* Encrypted key encryption key (KEK).*Datatype:* "Max5000Binary" on page 1015

19.1.11.8.3.2 KEK <KEK>*Presence:* [1..1]*Definition:* Key encryption key using previously distributed symmetric key.**KEK <KEK>** contains the following **KEK9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		973
	KEKIdentification <KEKId>	[1..1]	±		973
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			973
	Algorithm <Algo>	[1..1]	CodeSet		974
	Parameter <Param>	[0..1]			976
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		976
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		977
	BytePadding <BPddg>	[0..1]	CodeSet		977
	EncryptedKey <NcrptdKey>	[0..1]	Binary		977

19.1.11.8.3.2.1 Version <Vrsn>*Presence:* [0..1]*Definition:* Version of the data structure.*Datatype:* "Number" on page 1084**19.1.11.8.3.2.2 KEKIdentification <KEKId>***Presence:* [1..1]*Definition:* Identification of the key encryption key (KEK).**KEKIdentification <KEKId>** contains the following elements (see "KEKIdentifier7" on page 639 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		639
	KeyVersion <KeyVrsn>	[1..1]	Text		639
	SequenceNumber <SeqNb>	[0..1]	Quantity		639
	DerivationIdentification <DerivtnId>	[0..1]	Binary		639

19.1.11.8.3.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>*Presence:* [1..1]*Definition:* Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following **AlgorithmIdentification32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		974
	Parameter <Param>	[0..1]			976
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		976
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		977
	BytePadding <BPddg>	[0..1]	CodeSet		977

19.1.11.8.3.2.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm28Code" on page 1021

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

CodeName	Name	Definition
		with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
DA12	AESDUKPT128ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits.
DA19	AESDUKPT192ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits.
DA25	AESDUKPT256ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits.
N108	Nist800-108KeyDerivation	Key Derivation according to the Special Publication from the NIST entitled 800-108.
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a.
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS

CodeName	Name	Definition
		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).
SM4C	SM4CBC	ShangMi 4 enciphering method used in CBC mode.
SM4R	SM4CTR	ShangMi 4 enciphering method used in CTR mode.

19.1.11.8.3.2.3.2 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		976
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		977
	BytePadding <BPddg>	[0..1]	CodeSet		977

19.1.11.8.3.2.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1042

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.

19.1.11.8.3.2.3.2.2 InitialisationVector <InitlStnVctr>*Presence:* [0..1]*Definition:* Initialisation vector of a cipher block chaining (CBC) mode encryption.*Datatype:* "Max500Binary" on page 1016**19.1.11.8.3.2.3.2.3 BytePadding <BPddg>***Presence:* [0..1]*Definition:* Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.*Datatype:* "BytePadding1Code" on page 1031

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.

19.1.11.8.3.2.4 EncryptedKey <NcrptdKey>*Presence:* [0..1]*Definition:* Encrypted key encryption key (KEK).*Datatype:* "Max500Binary" on page 1016**19.1.11.8.3.3 KeyIdentifier <Keyldr>***Presence:* [1..1]*Definition:* Identification of a protection key without a session key, shared and previously exchanged between the initiator and the recipient.**KeyIdentifier <Keyldr>** contains the following elements (see "KEKIdentifier7" on page 639 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <Keyld>	[1..1]	Text		639
	KeyVersion <KeyVrsn>	[1..1]	Text		639
	SequenceNumber <SeqNb>	[0..1]	Quantity		639
	DerivationIdentification <DerivtnId>	[0..1]	Binary		639

19.1.11.8.4 EncryptedContent <NcrptdCntt>*Presence:* [0..1]*Definition:* Data protection by encryption (digital envelope), with an encryption key.**EncryptedContent <NcrptdCntt>** contains the following **EncryptedContent7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		978
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]			978
	Algorithm <Algo>	[1..1]	CodeSet		979
	Parameter <Param>	[0..1]			981
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		981
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		982
	BytePadding <BPddg>	[0..1]	CodeSet		982
	EncryptedData <NcrptdData>	[1..1]	Binary		982

19.1.11.8.4.1 ContentType <CnttTp>*Presence:* [1..1]*Definition:* Type of data which have been encrypted.*Datatype:* "ContentType2Code" on page 1038

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).

19.1.11.8.4.2 ContentEncryptionAlgorithm <CnttNcrptnAlgo>*Presence:* [0..1]*Definition:* Algorithm used to encrypt the data.

ContentEncryptionAlgorithm <CnntNcrptnAlgo> contains the following **AlgorithmIdentification32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		979
	Parameter <Param>	[0..1]			981
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		981
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		982
	BytePadding <BPddg>	[0..1]	CodeSet		982

19.1.11.8.4.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm28Code" on page 1021

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

CodeName	Name	Definition
		with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
DA12	AESDUKPT128ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits.
DA19	AESDUKPT192ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits.
DA25	AESDUKPT256ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits.
N108	Nist800-108KeyDerivation	Key Derivation according to the Special Publication from the NIST entitled 800-108.
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a.
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS

CodeName	Name	Definition
		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).
SM4C	SM4CBC	ShangMi 4 enciphering method used in CBC mode.
SM4R	SM4CTR	ShangMi 4 enciphering method used in CTR mode.

19.1.11.8.4.2.2 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		981
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		982
	BytePadding <BPddg>	[0..1]	CodeSet		982

19.1.11.8.4.2.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1042

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.

19.1.11.8.4.2.2.2 InitialisationVector <InitlStnVctr>*Presence:* [0..1]*Definition:* Initialisation vector of a cipher block chaining (CBC) mode encryption.*Datatype:* "Max500Binary" on page 1016**19.1.11.8.4.2.2.3 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 1031

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.

19.1.11.8.4.3 EncryptedData <NcrptdData>*Presence:* [1..1]*Definition:* Encrypted data, result of the content encryption.*Datatype:* "Max100KBinary" on page 1014**19.1.11.9 SignedData9***Definition:* Digital signatures of data from one or several signers.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		983
	DigestAlgorithm <DgstAlgo>	[0..*]	±		983
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		984
	Certificate <Cert>	[0..*]	Binary		984
	Signer <Sgnr>	[0..*]			984
	Version <Vrsn>	[0..1]	Quantity		985
	SignerIdentification <SgnrId>	[0..1]			985
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			985
	Issuer </issr>	[1..1]			985
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			986
	AttributeType <AttrTp>	[1..1]	CodeSet		986
	AttributeValue <AttrVal>	[1..1]	Text		986
	SerialNumber <SrlNb>	[1..1]	Binary		986
Or}	SubjectKeyIdentifier <SbjtKeyIdr>	[1..1]	Binary		987
	DigestAlgorithm <DgstAlgo>	[1..1]	±		987
	SignedAttributes <SgndAttrbts>	[0..*]			987
	Name <Nm>	[1..1]	Text		987
	Value <Val>	[0..1]	Text		987
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		987
	Signature <Sgntr>	[1..1]	Binary		988

19.1.11.9.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.9.2 DigestAlgorithm <DgstAlgo>

Presence: [0..*]

Definition: Identification of digest algorithm applied before signature.

DigestAlgorithm <DgstAlgo> contains the following elements (see "[AlgorithmIdentification36](#)" on page 942 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		942

19.1.11.9.3 EncapsulatedContent <NcpsltdCntt>*Presence:* [0..1]*Definition:* Data to sign.**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "[EncapsulatedContent3](#)" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		942
	Content <Cntt>	[0..1]	Binary		942

19.1.11.9.4 Certificate <Cert>*Presence:* [0..*]*Definition:* Chain of X.509 certificates.*Datatype:* "Max5000Binary" on page 1015**19.1.11.9.5 Signer <Sgnr>***Presence:* [0..*]*Definition:* Digital signature and identification of a signer.**Signer <Sgnr>** contains the following **Signer8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		985
	SignerIdentification <SgnrId>	[0..1]			985
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			985
	Issuer <Issr>	[1..1]			985
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			986
	AttributeType <AttrTp>	[1..1]	CodeSet		986
	AttributeValue <AttrVal>	[1..1]	Text		986
	SerialNumber <SrlNb>	[1..1]	Binary		986
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		987
	DigestAlgorithm <DgstAlgo>	[1..1]	±		987
	SignedAttributes <SgndAttrbts>	[0..*]			987
	Name <Nm>	[1..1]	Text		987
	Value <Val>	[0..1]	Text		987
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		987
	Signature <Sgntr>	[1..1]	Binary		988

19.1.11.9.5.1 Version <Vrsn>*Presence:* [0..1]*Definition:* Version of the Cryptographic Message Syntax (CMS) data structure.*Datatype:* "Number" on page 1084**19.1.11.9.5.2 SignerIdentification <SgnrId>***Presence:* [0..1]*Definition:* Identification of the entity who has signed the data.**SignerIdentification <SgnrId>** contains one of the following **Recipient13Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			985
	Issuer <Issr>	[1..1]			985
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			986
	AttributeType <AttrTp>	[1..1]	CodeSet		986
	AttributeValue <AttrVal>	[1..1]	Text		986
	SerialNumber <SrlNb>	[1..1]	Binary		986
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		987

19.1.11.9.5.2.1 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]			985
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			986
	AttributeType <AttrTp>	[1..1]	CodeSet		986
	AttributeValue <AttrVal>	[1..1]	Text		986
	SerialNumber <SrlNb>	[1..1]	Binary		986

19.1.11.9.5.2.1.1 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..*]			986
	AttributeType <AttrTp>	[1..1]	CodeSet		986
	AttributeValue <AttrVal>	[1..1]	Text		986

19.1.11.9.5.2.1.1.1 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		986
	AttributeValue <AttrVal>	[1..1]	Text		986

19.1.11.9.5.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1027

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).

19.1.11.9.5.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1086

19.1.11.9.5.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 1016

19.1.11.9.5.2.2 SubjectKeyIdentifier <SbjtKeyldr>

Presence: [1..1]

Definition: Specifies the recipient's certificate by a key identifier.

Datatype: "Max140Binary" on page 1014

19.1.11.9.5.3 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of a digest algorithm to apply before signature.

DigestAlgorithm <DgstAlgo> contains the following elements (see "AlgorithmIdentification36" on page 942 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		942

19.1.11.9.5.4 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		987
	Value <Val>	[0..1]	Text		987

19.1.11.9.5.4.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1090

19.1.11.9.5.4.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1086

19.1.11.9.5.5 SignatureAlgorithm <SgntrAlgo>

Presence: [1..1]

Definition: Cryptographic digital signature algorithm.

SignatureAlgorithm <SgntrAlgo> contains the following elements (see "[AlgorithmIdentification33](#)" on page 947 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		947
	Parameter <Param>	[0..1]			950
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		950
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		951
	SaltLength <SaltLngh>	[0..1]	Quantity		951
	TrailerField <TrlrFld>	[0..1]	Quantity		952
	OIDCurveName <OIDCrvNm>	[0..1]	Text		952

19.1.11.9.5.6 Signature <Sgntr>

Presence: [1..1]

Definition: Digital signature.

Datatype: "[Max3000Binary](#)" on page 1015

19.1.11.10 DigestedData6

Definition: Digest computed on the identified data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		988
	DigestAlgorithm <DgstAlgo>	[1..1]	±		988
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		989
	Digest <Dgst>	[1..1]	Binary		989

19.1.11.10.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "[Number](#)" on page 1084

19.1.11.10.2 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

DigestAlgorithm <DgstAlgo> contains the following elements (see "[AlgorithmIdentification36](#)" on page 942 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		942

19.1.11.10.3 EncapsulatedContent <NcpsltdCntt>*Presence:* [1..1]*Definition:* Data on which the digest is computed.**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "[EncapsulatedContent3](#)" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		942
	Content <Cntt>	[0..1]	Binary		942

19.1.11.10.4 Digest <Dgst>*Presence:* [1..1]*Definition:* Result of data-digesting process.*Datatype:* "[Max140Binary](#)" on page 1014**19.1.11.11 ContentInformationType40***Definition:* General cryptographic message syntax (CMS) containing encrypted data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		989
	EnvelopedData <EnvlpdData>	[1..1]	±		990

19.1.11.11.1 ContentType <CnttTp>*Presence:* [1..1]*Definition:* Type of data protection.*Datatype:* "[ContentType2Code](#)" on page 1038

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).

19.1.11.11.2 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 "EnvelopedData11" on page 966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		968
	OriginatorInformation <OrgtrlInf>	[0..1]			968
	Certificate <Cert>	[0..*]	Binary		968
	Recipient <Rcpt>	[1..*]			968
{Or	KeyTransport <KeyTrnsprt>	[1..1]			969
	Version <Vrsn>	[0..1]	Quantity		970
	RecipientIdentification <RcptId>	[1..1]			970
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			970
	Issuer <Issr>	[1..1]			971
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			971
	AttributeType <AttrTp>	[1..1]	CodeSet		971
	AttributeValue <AttrVal>	[1..1]	Text		972
	SerialNumber <SrlNb>	[1..1]	Binary		972
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		972
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		972
	EncryptedKey <NcrptdKey>	[1..1]	Binary		972
Or	KEK <KEK>	[1..1]			973
	Version <Vrsn>	[0..1]	Quantity		973
	KEKIdentification <KEKId>	[1..1]	±		973
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			973
	Algorithm <Algo>	[1..1]	CodeSet		974
	Parameter <Param>	[0..1]			976
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		976
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		977
	BytePadding <BPddg>	[0..1]	CodeSet		977
	EncryptedKey <NcrptdKey>	[0..1]	Binary		977
Or}	KeyIdentifier <Keyldr>	[1..1]	±		977
	EncryptedContent <NcrptdCntt>	[0..1]			978
	ContentType <CnttTp>	[1..1]	CodeSet		978
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]			978

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		979
	Parameter <Param>	[0..1]			981
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		981
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		982
	BytePadding <BPddg>	[0..1]	CodeSet		982
	EncryptedData <NcrptdData>	[1..1]	Binary		982

19.1.11.12 ContentInformationType39

Definition: General cryptographic message syntax (CMS) containing protected data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		992
	EnvelopedData <EnvlpdData>	[0..1]	±		992
	AuthenticatedData <AuthntcdData>	[0..1]	±		994
	SignedData <SgndData>	[0..1]	±		995
	DigestedData <DgstdData>	[0..1]	±		996

19.1.11.12.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1038

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).

19.1.11.12.2 EnvelopedData <EnvlpdData>

Presence: [0..1]

Definition: Data protection by encryption, with a session key.

EnvelopedData <EnvlpdData> contains the following elements (see "EnvelopedData11" on page 966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		968
	OriginatorInformation <OrgtrlInf>	[0..1]			968
	Certificate <Cert>	[0..*]	Binary		968
	Recipient <Rcpt>	[1..*]			968
{Or	KeyTransport <KeyTrnsprt>	[1..1]			969
	Version <Vrsn>	[0..1]	Quantity		970
	RecipientIdentification <RcptId>	[1..1]			970
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			970
	Issuer <Issr>	[1..1]			971
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			971
	AttributeType <AttrTp>	[1..1]	CodeSet		971
	AttributeValue <AttrVal>	[1..1]	Text		972
	SerialNumber <SrlNb>	[1..1]	Binary		972
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		972
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		972
	EncryptedKey <NcrptdKey>	[1..1]	Binary		972
Or	KEK <KEK>	[1..1]			973
	Version <Vrsn>	[0..1]	Quantity		973
	KEKIdentification <KEKId>	[1..1]	±		973
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			973
	Algorithm <Algo>	[1..1]	CodeSet		974
	Parameter <Param>	[0..1]			976
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		976
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		977
	BytePadding <BPddg>	[0..1]	CodeSet		977
	EncryptedKey <NcrptdKey>	[0..1]	Binary		977
Or}	KeyIdentifier <Keyldr>	[1..1]	±		977
	EncryptedContent <NcrptdCntt>	[0..1]			978
	ContentType <CnttTp>	[1..1]	CodeSet		978
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]			978

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		979
	Parameter <Param>	[0..1]			981
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		981
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		982
	BytePadding <BPddg>	[0..1]	CodeSet		982
	EncryptedData <NcrptdData>	[1..1]	Binary		982

19.1.11.12.3 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData10" on page 955 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		956
	Recipient <Rcpt>	[1..*]			957
{Or	KeyTransport <KeyTrnsprt>	[1..1]			957
	Version <Vrsn>	[0..1]	Quantity		958
	RecipientIdentification <RcptId>	[1..1]			958
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			958
	Issuer <Issr>	[1..1]			959
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			959
	AttributeType <AttrTp>	[1..1]	CodeSet		959
	AttributeValue <AttrVal>	[1..1]	Text		960
	SerialNumber <SrlNb>	[1..1]	Binary		960
Or}	SubjectKeyIdentifier <SbjitKeyldr>	[1..1]	Binary		960
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		960
	EncryptedKey <NcrptdKey>	[1..1]	Binary		960
Or	KEK <KEK>	[1..1]			961
	Version <Vrsn>	[0..1]	Quantity		961
	KEKIdentification <KEKId>	[1..1]	±		961
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			961
	Algorithm <Algo>	[1..1]	CodeSet		962
	Parameter <Param>	[0..1]			964
	EncryptionFormat <NcrptnFmt>	[0..1]	CodeSet		964
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		965
	BytePadding <BPddg>	[0..1]	CodeSet		965
	EncryptedKey <NcrptdKey>	[0..1]	Binary		965
Or}	KeyIdentifier <Keyldr>	[1..1]	±		965
	MACAlgorithm <MACAlgo>	[1..1]	±		966
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		966
	MAC <MAC>	[1..1]	Binary		966

19.1.11.12.4 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData9" on page 982 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		983
	DigestAlgorithm <DgstAlgo>	[0..*]	±		983
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		984
	Certificate <Cert>	[0..*]	Binary		984
	Signer <Sgnr>	[0..*]			984
	Version <Vrsn>	[0..1]	Quantity		985
	SignerIdentification <SgnrId>	[0..1]			985
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			985
	Issuer <Issr>	[1..1]			985
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			986
	AttributeType <AttrTp>	[1..1]	CodeSet		986
	AttributeValue <AttrVal>	[1..1]	Text		986
	SerialNumber <SrlNb>	[1..1]	Binary		986
Or}	SubjectKeyIdentifier <SbjtKeyIdr>	[1..1]	Binary		987
	DigestAlgorithm <DgstAlgo>	[1..1]	±		987
	SignedAttributes <SgndAttrbts>	[0..*]			987
	Name <Nm>	[1..1]	Text		987
	Value <Val>	[0..1]	Text		987
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		987
	Signature <Sgntr>	[1..1]	Binary		988

19.1.11.12.5 DigestedData <DgstdData>

Presence: [0..1]

Definition: Data protected by a digest.

DigestedData <DgstData> contains the following elements (see "DigestedData6" on page 988 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		988
	DigestAlgorithm <DgstAlgo>	[1..1]	±		988
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		989
	Digest <Dgst>	[1..1]	Binary		989

19.1.11.13 ContentInformationType38

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		997
	AuthenticatedData <AuthntcdData>	[0..1]	±		997
	SignedData <SgndData>	[0..1]	±		998

19.1.11.13.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1038

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).

19.1.11.13.2 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData10" on page 955 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		956
	Recipient <Rcpt>	[1..*]			957
{Or	KeyTransport <KeyTrnsprt>	[1..1]			957
	Version <Vrsn>	[0..1]	Quantity		958
	RecipientIdentification <RcptId>	[1..1]			958
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			958
	Issuer <Issr>	[1..1]			959
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			959
	AttributeType <AttrTp>	[1..1]	CodeSet		959
	AttributeValue <AttrVal>	[1..1]	Text		960
	SerialNumber <SrlNb>	[1..1]	Binary		960
Or}	SubjectKeyIdentifier <SbjtKeyldr>	[1..1]	Binary		960
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		960
	EncryptedKey <NcrptdKey>	[1..1]	Binary		960
Or	KEK <KEK>	[1..1]			961
	Version <Vrsn>	[0..1]	Quantity		961
	KEKIdentification <KEKId>	[1..1]	±		961
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			961
	Algorithm <Algo>	[1..1]	CodeSet		962
	Parameter <Param>	[0..1]			964
	EncryptionFormat <NcrptnFmt>	[0..1]	CodeSet		964
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		965
	BytePadding <BPddg>	[0..1]	CodeSet		965
	EncryptedKey <NcrptdKey>	[0..1]	Binary		965
Or}	KeyIdentifier <Keyldr>	[1..1]	±		965
	MACAlgorithm <MACAlgo>	[1..1]	±		966
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		966
	MAC <MAC>	[1..1]	Binary		966

19.1.11.13.3 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData9" on page 982 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		983
	DigestAlgorithm <DgstAlgo>	[0..*]	±		983
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		984
	Certificate <Cert>	[0..*]	Binary		984
	Signer <Sgnr>	[0..*]			984
	Version <Vrsn>	[0..1]	Quantity		985
	SignerIdentification <SgnrId>	[0..1]			985
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			985
	Issuer <Issr>	[1..1]			985
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			986
	AttributeType <AttrTp>	[1..1]	CodeSet		986
	AttributeValue <AttrVal>	[1..1]	Text		986
	SerialNumber <SrlNb>	[1..1]	Binary		986
Or}	SubjectKeyIdentifier <SbjtKeyIdr>	[1..1]	Binary		987
	DigestAlgorithm <DgstAlgo>	[1..1]	±		987
	SignedAttributes <SgndAttrbts>	[0..*]			987
	Name <Nm>	[1..1]	Text		987
	Value <Val>	[0..1]	Text		987
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		987
	Signature <Sgntr>	[1..1]	Binary		988

19.1.11.14 CryptographicKey18

Definition: Cryptographic Key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1000
	AdditionalIdentification <AddtlId>	[0..1]	Binary		1000
	Name <Nm>	[0..1]	Text		1001
	SecurityProfile <SctyPrfl>	[0..1]	Text		1001
	ItemNumber <ItmNb>	[0..1]	Text		1001
	Version <Vrsn>	[1..1]	Text		1001
	Type <Tp>	[0..1]	CodeSet		1001
	Function <Fctn>	[0..*]	CodeSet		1002
	ActivationDate <ActvtnDt>	[0..1]	DateTime		1002
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		1003
	KeyValue <KeyVal>	[0..1]	±		1003
	ComponentWithAuthorisedAccess <CmpntWthAuthrsdAccs>	[0..*]			1003
	Identification <Id>	[1..1]	Text		1003
	Type <Tp>	[1..1]	CodeSet		1003
	ProtectedComponentWithAuthorisedAccess <PrtcdCmpntWthAuthrsdAccs>	[0..*]	±		1004
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		1004
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			1004
	Name <Nm>	[1..1]	Text		1004
	Value <Val>	[0..1]	Text		1005

19.1.11.14.1 Identification <Id>

Presence: [1..1]

Definition: Name of the cryptographic key.

Datatype: "Max350Text" on page 1088

19.1.11.14.2 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 1015

19.1.11.14.3 Name <Nm>*Presence:* [0..1]*Definition:* Name of the Cryptographic Element.*Datatype:* "Max256Text" on page 1087**19.1.11.14.4 SecurityProfile <SctyPrfl>***Presence:* [0..1]*Definition:* Identification of the set of security elements to which this element belongs.*Datatype:* "Max35Text" on page 1088**19.1.11.14.5 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 1088**19.1.11.14.6 Version <Vrsn>***Presence:* [1..1]*Definition:* Version of the cryptographic key.*Datatype:* "Max256Text" on page 1087**19.1.11.14.7 Type <Tp>***Presence:* [0..1]*Definition:* Type of algorithm used by the cryptographic key.*Datatype:* "CryptographicKeyType3Code" on page 1039

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

CodeName	Name	Definition
		Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).

19.1.11.14.8 Function <Fctn>

Presence: [0..*]

Definition: Allowed usage of the key.

Datatype: "KeyUsage1Code" on page 1047

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.

19.1.11.14.9 ActivationDate <ActvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be activated.

Datatype: "ISODateTime" on page 1081

19.1.11.14.10 DeactivationDate <DeactvtnDt>*Presence:* [0..1]*Definition:* Date and time on which the key must be deactivated.*Datatype:* "ISODatetime" on page 1081**19.1.11.14.11 KeyValue <KeyVal>***Presence:* [0..1]*Definition:* Encrypted cryptographic key.**KeyValue <KeyVal>** contains the following elements (see "ContentInformationType39" on page 992 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		992
	EnvelopedData <EnvlpdData>	[0..1]	±		992
	AuthenticatedData <AuthntcdData>	[0..1]	±		994
	SignedData <SgndData>	[0..1]	±		995
	DigestedData <DgstdData>	[0..1]	±		996

19.1.11.14.12 ComponentWithAuthorisedAccess <CmpntWthAuthrsdAccs>*Presence:* [0..*]*Definition:* Identification of components which are allowed to access this cryptographic key.**ComponentWithAuthorisedAccess <CmpntWthAuthrsdAccs>** contains the following **GenericIdentification186** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1003
	Type <Tp>	[1..1]	CodeSet		1003

19.1.11.14.12.1 Identification <Id>*Presence:* [1..1]*Definition:* Identification of an element in the system.*Datatype:* "Max256Text" on page 1087**19.1.11.14.12.2 Type <Tp>***Presence:* [1..1]*Definition:* Type of actor in the system.*Datatype:* "PartyType7Code" on page 1055

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.

CodeName	Name	Definition
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.

19.1.11.14.13 ProtectedComponentWithAuthorisedAccess <PrtctdCmpntWthAuthrsdAccs>

Presence: [0..*]

Definition: Protection of Identification of components which are allowed to access this cryptographic key.

ProtectedComponentWithAuthorisedAccess <PrtctdCmpntWthAuthrsdAccs> contains the following elements (see "[ContentInformationType39](#)" on page 992 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		992
	EnvelopedData <EnvlpdData>	[0..1]	±		992
	AuthenticatedData <AuthntcdData>	[0..1]	±		994
	SignedData <SgndData>	[0..1]	±		995
	DigestedData <Dgstddata>	[0..1]	±		996

19.1.11.14.14 KeyCheckValue <KeyChckVal>

Presence: [0..1]

Definition: Value for checking a cryptographic key security parameter.

Datatype: "[Max35Binary](#)" on page 1015

19.1.11.14.15 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		1004
	Value <Val>	[0..1]	Text		1005

19.1.11.14.15.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1090

19.1.11.14.15.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1086

19.1.12 Structured Postal Address

19.1.12.1 PostalAddress2

Definition: Address of a party expressed in a formal structure, usually according to the country's postal services specifications.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		1005
	PostCodeIdentification <PstCdId>	[1..1]	Text		1005
	TownName <TwnNm>	[1..1]	Text		1005
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1005
	Country <Ctry>	[1..1]	CodeSet	C3	1006

19.1.12.1.1 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1090

19.1.12.1.2 PostCodeIdentification <PstCdId>

Presence: [1..1]

Definition: Identifier consisting of a group of letters and/or numbers that is added to a postal address to assist the sorting of mail.

Datatype: "Max16Text" on page 1086

19.1.12.1.3 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1088

19.1.12.1.4 CountrySubDivision <CtrySubDvsn>

Presence: [0..1]

Definition: Identifies a subdivision of a country for example, state, region, county.

Datatype: "Max35Text" on page 1088

19.1.12.1.5 Country <Ctry>*Presence:* [1..1]*Definition:* Nation with its own government.*Impacted by:* C3 "Country"*Datatype:* "CountryCode" on page 1039**Constraints**

- **Country**

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

19.1.13 Synchronisation**19.1.13.1 ProcessRetry3***Definition:* Definition of retry process if activation of an action fails.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Delay <Dely>	[1..1]	Text		1006
	MaximumNumber <MaxNb>	[0..1]	Quantity		1006
	UnitOfTime <UnitOfTm>	[0..1]	CodeSet		1006

19.1.13.1.1 Delay <Dely>*Presence:* [1..1]*Definition:* Time period to wait for a retry in months, days, hours and minutes, leading zeros could be omitted.*Datatype:* "Max9NumericText" on page 1090**19.1.13.1.2 MaximumNumber <MaxNb>***Presence:* [0..1]*Definition:* Maximum number of retries.*Datatype:* "Number" on page 1084**19.1.13.1.3 UnitOfTime <UnitOfTm>***Presence:* [0..1]*Definition:* Identification of the minimum unit of time used by time configuration parameters.*Datatype:* "TimeUnit1Code" on page 1076

CodeName	Name	Definition
DAYC	CalendarDay	Time unit is calendar day.
HOURL	Hour	Time unit is hour.
MINU	Minute	Time unit is minute.

CodeName	Name	Definition
MNTH	Month	Time unit is month.
SECO	Second	Time unit is second.
WEEK	Week	Time unit is week.
YEAR	Year	Time unit is year.

19.1.13.2 ProcessTiming6

Definition: Parameters defining the timing conditions to process an action.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StartTime <StartTm>	[0..1]	DateTime		1007
	EndTime <EndTm>	[0..1]	DateTime		1007
	Period <Prd>	[0..1]	Text		1007
	UnitOfTime <UnitOfTm>	[0..1]	CodeSet		1007

19.1.13.2.1 StartTime <StartTm>

Presence: [0..1]

Definition: Date and time to start the action.

Datatype: "ISODatetime" on page 1081

19.1.13.2.2 EndTime <EndTm>

Presence: [0..1]

Definition: Date and time after which the action cannot be processed.

Datatype: "ISODatetime" on page 1081

19.1.13.2.3 Period <Prd>

Presence: [0..1]

Definition: Period delay between cyclic action activation in months, days, hours and minutes, leading zeros could be omitted.

Datatype: "Max9NumericText" on page 1090

19.1.13.2.4 UnitOfTime <UnitOfTm>

Presence: [0..1]

Definition: Identification of the minimum unit of time used by time configuration parameters.

Datatype: "TimeUnit1Code" on page 1076

CodeName	Name	Definition
DAYC	CalendarDay	Time unit is calendar day.
HOURL	Hour	Time unit is hour.
MINU	Minute	Time unit is minute.

CodeName	Name	Definition
MNTH	Month	Time unit is month.
SECO	Second	Time unit is second.
WEEK	Week	Time unit is week.
YEAR	Year	Time unit is year.

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		1008
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1008
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1008
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1008
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1009
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1009

19.1.14.1.1 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "Max19NumericText" on page 1087

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 1085

19.1.14.1.3 TokenRequestorIdentification <TknRqstrld>

Presence: [0..1]

Definition: Identification of a party requesting a token.

Datatype: "Max11NumericText" on page 1086

19.1.14.1.4 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Supporting information for the Token Assurance Method.

Datatype: "Max140Text" on page 1086

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 1087**19.1.14.1.6 TokenInitiatedIndicator <TknInittndInd>***Presence:* [0..1]*Definition:* Original transaction was initiated by Token.*Datatype:* One of the following values must be used (see "TrueFalseIndicator" on page 1083):

- *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		1009
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1009
	TokenCharacteristic <TknChrtc>	[0..*]	Text		1010
	TokenRequestor <TknRqstr>	[0..1]			1010
	ProviderIdentification <PrvdrId>	[1..1]	Text		1010
	RequestorIdentification <RqstrId>	[1..1]	Text		1010
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		1010
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		1010
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1010
	TokenInitiatedIndicator <TknInittndInd>	[0..1]	Indicator		1011

19.1.14.2.1 Token <Tkn>*Presence:* [0..1]*Definition:* Surrogate value of the PAN.*Datatype:* "Max35Text" on page 1088**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 1086

19.1.14.2.3 TokenCharacteristic <TknChrtc>*Presence:* [0..*]*Definition:* Additional payment token information.*Datatype:* "Max35Text" on page 1088**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		1010
	RequestorIdentification <RqstrId>	[1..1]	Text		1010

19.1.14.2.4.1 ProviderIdentification <PrvdrId>*Presence:* [1..1]*Definition:* Identifier of the token provider.*Datatype:* "Max35Text" on page 1088**19.1.14.2.4.2 RequestorIdentification <RqstrId>***Presence:* [1..1]*Definition:* Identifier of the token requestor.*Datatype:* "Max35Text" on page 1088**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 1084**19.1.14.2.6 TokenAssuranceData <TknAssrncData>***Presence:* [0..1]*Definition:* Information about the identification and verification of the cardholder.*Datatype:* "Max500Binary" on page 1016**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 1087

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 1083):

- *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		1011
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1011
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1011
	TokenCharacteristic <TknChrtc>	[0..*]	Text		1012
	TokenRequestor <TknRqstr>	[0..1]			1012
	ProviderIdentification <PrvdrlId>	[1..1]	Text		1012
	RequestorIdentification <RqstrId>	[1..1]	Text		1012
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		1012
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		1012
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1012
	TokenInitiatedIndicator <TknInittndInd>	[0..1]	Indicator		1013

19.1.14.3.1 Token <Tkn>*Presence:* [0..1]*Definition:* Surrogate value of the PAN.*Datatype:* "Min8Max28NumericText" on page 1091**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 1091**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 1086

19.1.14.3.4 TokenCharacteristic <TknChrtc>*Presence:* [0..*]*Definition:* Additional payment token information.*Datatype:* "Max35Text" on page 1088**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		1012
	RequestorIdentification <RqstrId>	[1..1]	Text		1012

19.1.14.3.5.1 ProviderIdentification <PrvdrId>*Presence:* [1..1]*Definition:* Identifier of the token provider.*Datatype:* "Max35Text" on page 1088**19.1.14.3.5.2 RequestorIdentification <RqstrId>***Presence:* [1..1]*Definition:* Identifier of the token requestor.*Datatype:* "Max35Text" on page 1088**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 1084**19.1.14.3.7 TokenAssuranceData <TknAssrncData>***Presence:* [0..1]*Definition:* Information about the identification and verification of the cardholder.*Datatype:* "Max500Binary" on page 1016**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 1087

19.1.14.3.9 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 1083):
- Meaning When True: True
 - Meaning When False: False

19.2 Message Datatypes

19.2.1 Amount

19.2.1.1 ActiveCurrencyAndAmount

Definition: A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.

Type: Amount

This data type contains the following XML attribute:

Name	Attribute XML Name	Datatype
Currency	Ccy	"ActiveCurrencyCode" on page 1017

Format

minInclusive	0
totalDigits	18
fractionDigits	5

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.
- **CurrencyAmount**
The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

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 ActionType13Code

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.

CodeName	Name	Definition
FLFW	FallForward	Fall-forward from contactless to chip card transaction required.
PINQ	PINRequest	Request Cardholder Authentication through PIN insertion.
CDCV	ConsumerDeviceCardholderVerificationMethod	Request Cardholder Authentication according to the ConsumerDeviceCardholderVerification Method.
CHDA	CardholderAuthentication	Additional authentication of cardholder required.
STAR	StopAllRecurring	Recurring transactions is no more allowed for this card and for all merchants.
STOR	StopOneRecurring	Cardholder has revoked this recurring transaction for this merchant.
ACUP	AccountUpdate	Indicates that the account was updated and should be taken into account for future authorisation.
TALT	TryAgainLater	Indicates that the authorization should be resubmitted at a later time.
DNTA	DoNotTryAgain	Indicates that this account shouldn't be used anymore.

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.

CodeName	Name	Definition
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 Algorithm26Code

Definition: Identification of a digest algorithm.

Type: CodeSet

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).
SMS3	SM3	ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018.

19.2.3.5 Algorithm27Code

Definition: Cryptographic algorithms for the MAC (Message Authentication Code).

Type: CodeSet

CodeName	Name	Definition
MACC	RetailCBCMAC	Retail CBC (Chaining Block Cypher) MAC (Message Authentication Code) (cf. ISO 9807, ANSI X9.19) - (ASN.1 Object Identifier: id-retail-cbc-mac).
MCCS	RetailSHA256MAC	Retail-CBC-MAC with SHA-256 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-256).
CMA1	SHA256CMACwithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
MCC1	RetailSHA1MAC	The DEPRECATED Retail-CBC-MAC with SHA-1 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-1).
CMA9	SHA384CMACwithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message.
CMA5	SHA512CMACwithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message.
CMA2	SHA256CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the

CodeName	Name	Definition
		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 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

CodeName	Name	Definition
		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).
S34C	SM3SM4CBC	ShangMi 4 enciphering method used in CBC mode coupled with ShangMi 3 hash function.
S34R	SM3SM4CTR	ShangMi 4 enciphering method used in CTR mode coupled with ShangMi 3 hash function.

19.2.3.6 Algorithm28Code

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 with a 192 bits cryptographic key as

CodeName	Name	Definition
		defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
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).
SM4C	SM4CBC	ShangMi 4 enciphering method used in CBC mode.
SM4R	SM4CTR	ShangMi 4 enciphering method used in CTR mode.

19.2.3.7 Algorithm29Code

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).

CodeName	Name	Definition
ED32	EcdsaSha3-256	Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ED33	EcdsaSha3-384	Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
ED35	EcdsaSha3-512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ED23	EcdsaSha384	Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ED25	EcdsaSha512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES22	EcsdsaSha256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
ES32	EcsdsaSha3-256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ES33	EcsdsaSha3-384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
ES35	EcsdsaSha3-512	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES23	EcsdsaSha384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ES25	EcsdsaSha512	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.
EF32	EcfdsaSha3-256	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
EF22	EcfdsaSha256	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
EF33	EcfdsaSha3-384	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
EF35	EcfdsaSha3-512	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm.
EF23	EcfdsaSha384	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.

CodeName	Name	Definition
EO33	EcosdsaSha3-384	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
EF25	EcfdsdaSha512	Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
EO32	EcosdaSha3-256	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
EO22	EcosdsaSha256	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
EO35	EcosdsaSha3-512	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm.
EO23	EcosdsaSha384	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
EO25	EcosdsaSha512	Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
DD22	EddsaSha256	Edward Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
DD32	EddsaSha3-256	Edward Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
DD33	EddsaSha3-384	Edward Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
DD35	EddsaSha3-512	Edward Curve Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm.
DD23	EddsaSha384	Edward Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
DD25	EddsaSha512	Edward Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
SM22	SM2Sha256	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
SM33	SM2Sha3-384	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
SM32	SM2Sha3-256	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
SM35	SM2Sha3-512	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm.

CodeName	Name	Definition
SM23	SM2Sha384	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
SM25	SM2Sha512	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
S2S3	SM2SM3	ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with ShangMi3 Digest Algorithm.

19.2.3.8 Algorithm7Code

Definition: Asymmetric encryption algorithm of a transport key.

Type: CodeSet

CodeName	Name	Definition
ERSA	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSAO	RSAAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

19.2.3.9 Algorithm8Code

Definition: Mask generator functions of the RSAAES-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).

19.2.3.10 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.

19.2.3.11 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.

19.2.3.12 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.

19.2.3.13 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).

19.2.3.14 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.

CodeName	Name	Definition
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.

19.2.3.15 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.
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).

CodeName	Name	Definition
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

19.2.3.16 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.
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.

CodeName	Name	Definition
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.

19.2.3.17 AuthenticationResult1Code

Definition: Specifies the result of authentication done.

Type: CodeSet

CodeName	Name	Definition
DENY	Denial	The authentication didn't succeed.
MRCH	MerchantNotEnroled	Merchant not enrolled in the authentication programme.
CARD	NonParticipation	The card does not participate in the authentication programme.
AUTH	UnableToAuthenticate	The authentication couldn't be carried out.
CRPT	WithCryptogram	Authentication succeeded with a cryptogram.
UCRP	WithoutCryptogram	Authentication succeeded without a cryptogram.

19.2.3.18 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.

CodeName	Name	Definition
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.

19.2.3.19 BusinessArea2Code

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.
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.
EOPT	EnergyOpenPayment	Indicates when the card is used in an energy business case where the amount could not be assessed when the transaction is initiated.
TOPT	TransitOpenPayment	Indicates when the card is used in a transit business case where the fare amount is not known when the transaction is initiated.

19.2.3.20 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.

CodeName	Name	Definition
RAND	RandomPadding	Message to encrypt is completed by random value, the last byte containing the total number of added bytes.

19.2.3.21 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.
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.

19.2.3.22 CardDataReading5Code

Definition: Type of reading of the card data.

Type: CodeSet

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).

CodeName	Name	Definition
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.

19.2.3.23 CardDataReading8Code

Definition: Type of reading of the card data.

Type: CodeSet

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

19.2.3.24 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.

19.2.3.25 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).
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.

19.2.3.26 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.

19.2.3.27 CardPaymentServiceType12Code*Definition:* Main service provided during the card payment transaction.*Type:* CodeSet

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

CodeName	Name	Definition
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.
CIDD	CardInitiatingDirectDebit	Direct Debit initiated by Card.

19.2.3.28 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.

19.2.3.29 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.

19.2.3.30 CardPaymentServiceType5Code

Definition: Main service provided during the card payment transaction.

Type: CodeSet

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

19.2.3.31 CardPaymentServiceType9Code

Definition: Service provided by the card payment transaction, in addition to the main service.

Type: CodeSet

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

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

19.2.3.32 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.

19.2.3.33 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.

19.2.3.34 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).

19.2.3.35 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).

19.2.3.36 CryptographicKeyType3Code

Definition: Codes for qualifying the type of cryptographic keys.

Type: CodeSet

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE3	DES112	Data encryption standard key of 112 bits (without the parity bits).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A.
AES9	AES192	AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS

CodeName	Name	Definition
		197 - November 6, 2001 - Advanced Encryption Standard).
AES5	AES256	AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).

19.2.3.37 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.

19.2.3.38 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.

19.2.3.39 DataSetCategory18Code

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.
SAPR	SaleToPOIProtocolParameters	Parameters related to the Sale to POI protocol.

CodeName	Name	Definition
SPRP	ServiceProviderParameters	Service Provider specific parameters for the point of interaction (POI) system.

19.2.3.40 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.

19.2.3.41 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.

19.2.3.42 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

CodeName	Name	Definition
		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.
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.

19.2.3.43 Exemption1Code

Definition: Strong customer authentication exemption.

Type: CodeSet

CodeName	Name	Definition
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
MINT	MerchantInitiatedTransaction	Transaction is initiated by the Card Acceptor.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
SCAD	StrongCustomerAuthenticationDelegation	Card Acceptor is a strong customer authentication delegate.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.

19.2.3.44 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.

19.2.3.45 GracePeriodUnitType1Code

Definition: Contains the details of the grace period applicable to the instalment.

Type: CodeSet

CodeName	Name	Definition
WEKS	Weeks	Grace period weeks.

CodeName	Name	Definition
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.

19.2.3.46 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.

19.2.3.47 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.
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.

19.2.3.48 InstalmentAmountDetailsType1Code

Definition: Contains the details of the grace period applicable to the instalment.

Type: CodeSet

CodeName	Name	Definition
TAXX	Tax	Instalment amount tax
RQST	Requested	Requested amount
OTHP	OtherPrivate	Grace period unit type
OTHN	OtherNational	Grace period unit type
OTHC	OtherCharges	Other amounts
INSU	Insurance	Insurance amount
FUNA	Funded	Funded amount
FEES	Fees	Fees amount
EXPN	Expense	Expense Amount

CodeName	Name	Definition
AFCO	AnnualFinancingCost	Total financing cost per annum.

19.2.3.49 InstalmentPeriod1Code

Definition: Instalment period.

Type: CodeSet

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

19.2.3.50 InstalmentPlan1Code

Definition: Type of instalment plan.

Type: CodeSet

CodeName	Name	Definition
EQPM	EqualPayment	The payment is split in several instalments of equal amounts.
NQPM	InequalPayment	The payment is split in several instalments of different amounts.
DFRI	DeferredInstalment	The first instalment is deferred.

19.2.3.51 InterestRate1Code

Definition: Contains the list of interest rates.

Type: CodeSet

CodeName	Name	Definition
GSRT	GrossRate	Gross interest rate of the instalment
NTRT	NetRate	Net interest rate of the instalment
OTHN	OtherNational	Other interest rate of the instalment
OTHP	OtherPrivate	Other interest rate of the instalment

19.2.3.52 ISO3NumericCountryCode

Definition: Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Numeric-3 code). The code is checked against the list of country names coded with three digit characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9]{3,3}

19.2.3.53 KeyUsage1Code

Definition: Allowed usages of the key.

Type: CodeSet

CodeName	Name	Definition
ENCR	Encryption	Key may encrypt.
DCPT	Decryption	Key may decrypt.
DENC	DataEncryption	Key may encrypt data.
DDEC	DataDecryption	Key may decrypt data.
TRNI	TranslateInput	Key may encrypt information before translation.
TRNX	TranslateOutput	Key may encrypt information after translation.
MACG	MessageAuthenticationCodeGeneration	Key may generate message authentication codes (MAC).
MACV	MessageAuthenticationCodeVerification	Key may verify message authentication codes (MAC).
SIGG	SignatureGeneration	Key may generate digital signatures.
SUGV	SignatureVerification	Key may verify digital signatures.
PINE	PINEncryption	Key may encrypt personal identification numbers (PIN).
PIND	PINDecryption	Key may decrypt personal identification numbers (PIN).
PINV	PINVerification	Key may verify personal identification numbers (PIN).
KEYG	KeyGeneration	Key may generate keys.
KEYI	KeyImport	Key may import keys.
KEYX	KeyExport	Key may export keys.
KEYD	KeyDerivation	Key may derive keys.

19.2.3.54 LanguageCode

Definition: Specifies a language.*Type:* CodeSet

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.2.3.55 LocationCategory3Code

Definition: Indicates the type of integration of the POI terminal in the sale environment.*Type:* CodeSet

CodeName	Name	Definition
INDR	Indoor	Indoor terminal.

CodeName	Name	Definition
IPMP	InsidePump	Terminal incorporated in the pump dispensing petrol.
MPOI	MultiplePOITerminal	Multiple terminals linked to a unique sale terminal.
MPMP	MultiplePump	Outdoor terminal serving several petrol pumps.
MSLE	MultipleSaleTerminal	Terminal serving multiple sale terminals.
SSLE	SingleSaleTerminal	Terminal linked to a unique sale terminal.
VNDG	VendingMachine	Terminal integrated in a vending machine.

19.2.3.56 LocationCategory4Code

Definition: Indicates the type of integration of the POI terminal in the sale environment.

Type: CodeSet

CodeName	Name	Definition
ABRD	Aboard	Aboard is used when the sale is done in a vehicle (e.g a bus, train, ship, airplane, taxi, etc).
NMDC	Nomadic	Nomadic is used when the merchant is traveling to different locations (e.g fair or sport events, home delivery, food truck).
FIXD	PhysicalShop	Fixed location, for example in a shop.
VIRT	VirtualShop	Virtual Shop is used for any ecommerce solution.

19.2.3.57 LoyaltyHandling1Code

Definition: Possible types of Loyalty processing.

Type: CodeSet

CodeName	Name	Definition
ALLO	Allowed	The loyalty is accepted, but the POI has not to require or ask a loyalty card. The loyalty is involved by the payment card (e.g. an hybrid or linked card).
DENY	Forbidden	No loyalty card to read and loyalty transaction to process. Any attempt to enter a pure loyalty card is rejected.
PRCS	Processed	The loyalty transaction is already processed, no loyalty card or loyalty transaction to process.
PROP	Proposed	The loyalty is accepted, and the POI has to ask a loyalty card. If the Customer does not enter a loyalty card, no loyalty transaction is realised.

CodeName	Name	Definition
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.

19.2.3.58 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.

19.2.3.59 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.

19.2.3.60 MemoryUnit1Code

Definition: Unit of the memory size.

Type: CodeSet

CodeName	Name	Definition
BYTE	Byte	Byte.
EXAB	ExaByte	Exa byte.
GIGA	GigaByte	Giga byte.
KILO	KiloByte	Kilo byte.
MEGA	MegaByte	Mega byte.
PETA	PetaByte	Peta byte.
TERA	TeraByte	Tera byte.

19.2.3.61 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).

19.2.3.62 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.

19.2.3.63 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.

CodeName	Name	Definition
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

19.2.3.64 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.

19.2.3.65 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.

19.2.3.66 OutputFormat3Code

Definition: Type of output format.

Type: CodeSet

CodeName	Name	Definition
BARC	Barcode	Barcode to output in several possible format.
MENT	MenuEntry	A text to display as a menu before requesting an input.
MREF	MessageReference	Predefined configured messages, identified by a reference.
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

19.2.3.67 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	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
ICCA	CardApplication	Application in the smart card.

19.2.3.68 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.

CodeName	Name	Definition
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.

19.2.3.69 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.

19.2.3.70 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.

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
TAXH	TaxAuthority	Tax authority.

19.2.3.71 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.

19.2.3.72 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.

19.2.3.73 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.

CodeName	Name	Definition
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.

19.2.3.74 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.

19.2.3.75 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.

19.2.3.76 POICommunicationType2Code

Definition: Low level communication of the hardware or software component toward another component or an external entity.

Type: CodeSet

CodeName	Name	Definition
BLTH	Bluetooth	Communication with a host using Bluetooth.
ETHR	Ethernet	Ethernet port to communicate.
GPRS	GPRS	Communication with a host using GPRS.
GSMF	GSM	Communication with a host using GSM.
PSTN	PSTN	Communication with a host using Public Switching Telephone Network.
RS23	RS232	Serial port to communicate.
USBD	USBDevice	Communication with a USB stick or any USB device.
USBH	USBHost	Communication with a host from an USB port.
WIFI	Wifi	Wifi communication with another component.
WT2G	WirelessTechnology2G	Includes all communication technologies which can be qualified as being part of the 2G technology (e.g EDGE or PDC).
WT3G	WirelessTechnology3G	Includes all communication technologies which can be qualified as being part of the 3G technology.
WT4G	WirelessTechnology4G	Includes all communication technologies which can be qualified as being part of the 4G technology.
WT5G	WirelessTechnology5G	Includes all communication technologies which can be qualified as being part of the 5G technology.

19.2.3.77 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.

19.2.3.78 POIComponentStatus1Code

Definition: Status of a component belonging to a POI Terminal (Point of Interaction).

Type: CodeSet

CodeName	Name	Definition
WAIT	WaitingActivation	Component not yet activated.

CodeName	Name	Definition
OUTD	OutOfOrder	Component not working properly.
OPER	InOperation	Component activated and in operation.
DACT	Deactivated	Component has been deactivated.

19.2.3.79 POIComponentType6Code

Definition: Type of component belonging to a POI (Point of Interaction) Terminal.

Type: CodeSet

CodeName	Name	Definition
AQPP	AcquirerProtocolParameters	Parameters for acquirer interface of the point of interaction, including acquirer host configuration parameters.
APPR	ApplicationParameters	Parameters of a payment application running on the point of interaction.
TLPR	TerminalParameters	Manufacturer configuration parameters of the point of interaction.
SCPR	SecurityParameters	Security parameters of the point of interaction.
SERV	Server	Payment server of a point of interaction system.
TERM	Terminal	Payment terminal point of interaction.
DVCE	Device	Device sub-component of a component of the point of interaction.
SECM	SecureModule	Security module.
APLI	PaymentApplication	Payment application software.
EMVK	EMVKernel	EMV application kernel (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa).
EMVO	EMVLevel1	EMV physical interface (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa).
MDWR	Middleware	Software module of the point of interaction.
DRVR	Driver	Driver module of the point of interaction.
OPST	OperatingSystem	Software that manages hardware to provide common services to the applications.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).
CRTF	CertificateParameters	Certificate provided by a terminal manager.
TMSP	TMSProtocolParameters	Configuration parameters for the TMS protocol.
SACP	SaleComponent	Component of the Sale system.

CodeName	Name	Definition
SAPR	SaleToPOIProtocolParameters	Parameters related to the Sale to POI protocol.
LOGF	LogFile	Any repository used for recording log traces.
MDFL	MediaFile	Media file managed by an application of the POI.
SOFT	Soft	Payment or other software application.
CONF	ConfigurationFile	Configuration file relevant for the POI.
RPFL	ReportFile	Report file generated by the POI.

19.2.3.80 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.

19.2.3.81 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.

19.2.3.82 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%

19.2.3.83 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.

19.2.3.84 RejectReason1Code

Definition: Reason of transmission of a rejection message in response to a request or an advice.

Type: CodeSet

CodeName	Name	Definition
UNPR	UnableToProcess	Not possible to process the message, for instance the security module is unavailable, the hardware is unavailable, or there is a problem of resource.
IMSG	InvalidMessage	Invalid envelope of the message.
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.

CodeName	Name	Definition
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.

19.2.3.85 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.

19.2.3.86 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.

19.2.3.87 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.

CodeName	Name	Definition
SUCC	Success	Processing OK. Information related to the result of the processing is contained in other parts of the response message.

19.2.3.88 Response9Code

Definition: Result of the performed service.

Type: CodeSet

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partialy 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).

19.2.3.89 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.

19.2.3.90 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.

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.

19.2.3.91 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.

CodeName	Name	Definition
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 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.

19.2.3.92 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

CodeName	Name	Definition
		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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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 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.

19.2.3.93 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.

CodeName	Name	Definition
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.

19.2.3.94 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.

19.2.3.95 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.

19.2.3.96 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.

19.2.3.97 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.

19.2.3.98 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.

19.2.3.99 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).
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.

19.2.3.100 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.

CodeName	Name	Definition
DCOP	DeviceTransmissionMessageResponse	The POI system responds to the Sale System after a message transmission.

19.2.3.101 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.
MERC	MerchantCancellation	Merchant or Cashier cancels the transaction.
UNAB	UnableToComplete	POI System unable to complete transaction.

19.2.3.102 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.

CodeName	Name	Definition
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.

19.2.3.103 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).

19.2.3.104 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.

19.2.3.105 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.

19.2.3.106 StoredValueAccountType1Code

Definition: Type of stored value account.

Type: CodeSet

CodeName	Name	Definition
BNKA	BankPrepaidAccount	Prepaid account managed by a financial institution for low income customers.
CWVC	CarwashVoucher	Car wash specific account.
CPYA	CompanyPrepaidAccount	Specific prepaid account for companies or professionals expenses.
ELMY	ElectronicMoneyAccount	Account supporting e-money issued by an electronic money issuer.
GIFT	GiftCard	Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once.
GCER	GiftCertificate	Certificate to be given to a customer. Usually one shot voucher.
MLVC	MealVoucher	Meal and check voucher for restaurants.
OLVC	OnlineVoucher	Voucher that can be used online once or in several times.
MERC	MerchantAccount	Prepaid account open with a merchant or big retailers.
OTHR	OtherPrepaidAccount	Other non listed stored value instrument.
PHON	PhoneCard	Stored value instrument used to pay telephone services (e.g. card or identifier).
CARD	SmartCardTag	Stored value account hold on the chip of a smart card.
TRVL	Travel	Travel prepaid account.

19.2.3.107 StoredValueTransactionType3Code

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.

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.
BALC	Balance	Balance enquiry.

19.2.3.108 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.

19.2.3.109 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.

CodeName	Name	Definition
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.

19.2.3.110 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 date 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.

CodeName	Name	Definition
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.

19.2.3.111 TimeUnit1Code

Definition: Unit of time associated with the contract.

Type: CodeSet

CodeName	Name	Definition
DAYC	CalendarDay	Time unit is calendar day.
HOURL	Hour	Time unit is hour.
MINU	Minute	Time unit is minute.
MNTH	Month	Time unit is month.
SECO	Second	Time unit is second.
WEEK	Week	Time unit is week.
YEAR	Year	Time unit is year.

19.2.3.112 TMSContactLevel1Code

Definition: Level of urgency in contacting the terminal management system.

Type: CodeSet

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

19.2.3.113 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.

19.2.3.114 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.

19.2.3.115 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.

19.2.3.116 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.

19.2.3.117 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.

19.2.3.118 TypeOfAmount8Code

Definition: Qualifies the amount associated with the transaction.

Type: CodeSet

CodeName	Name	Definition
ACTL	Actual	Actual amount.
ESTM	Estimated	Estimated amount (the final amount could be above or below).
MAXI	Maximum	Maximum amount (the final amount must be less or equal).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESD	Reserved	Reserved or updated reserved amount for reservation.

19.2.3.119 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.

19.2.3.120 UnitOfMeasure6Code

Definition: Unit of measure of the item purchased.

Type: CodeSet

CodeName	Name	Definition
PIEC	Piece	Standard length of cloth, wallpaper, as an item for sale or amount of a substance.
TONS	Ton	Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton).
FOOT	Foot	Unit of length equal to 1/3 yard.
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
INCH	Inch	Measure of length equal to 2.54 cm.
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.

CodeName	Name	Definition
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.
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.

CodeName	Name	Definition
GGEU	GasolineGallonEquivalent	Amount of fuel alternative equal to one gallon of gasoline.

19.2.3.121 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.

19.2.3.122 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}

19.2.10.8 Max140Text

Definition: Specifies a character string with a maximum length of 140 characters.
Type: Text

Format	
minLength	1
maxLength	140

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}

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 Max9NumericText

Definition: Specifies a numeric string with a maximum length of 9 digits.
Type: Text

Format	
pattern	[0-9]{1,9}

19.2.10.31 Min2Max3AlphaText

Definition: Specifies an alpha string with a minimum length of 2 characters and a maximum length of 3 characters.

Type: Text

Format

pattern	[a-zA-Z]{2,3}
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19.2.10.32 Min2Max3NumericText

Definition: Specifies a numeric string with a minimum length of 2 digits, and a maximum length of 3 digits.

Type: Text

Format

pattern	[0-9]{2,3}
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19.2.10.33 Min3Max4Text

Definition: Specifies a character string with a minimum length of 3 characters, and a maximum length of 4 characters.

Type: Text

Format

minLength	3
maxLength	4

19.2.10.34 Min6Max8Text

Definition: Specifies a character string with a minimum length of 6 characters, and a maximum length of 8 characters.

Type: Text

Format

minLength	6
maxLength	8

19.2.10.35 Min8Max28NumericText

Definition: Specifies a numeric string with a minimum length of 8 digits, and a maximum length of 28 digits.

Type: Text

Format

pattern	[0-9]{8,28}
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19.2.10.36 PhoneNumber

Definition: The collection of information which identifies a specific phone or FAX number as defined by telecom services.

It consists of a "+" followed by the country code (from 1 to 3 characters) then a "-" and finally, any combination of numbers, "(", ")", "+" and "-" (up to 30 characters).

Type: Text

Format

pattern	\+[0-9]{1,3}-[0-9()+\-]{1,30}
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