

ISO 20022

Card Sale To POI - Merchant to Acceptor - Maintenance 2021/2022

Message Definition Report - Part 2

Approved by the Cards and Related Retail Financial Services SEG
on 1 February 2022

This document provides details of the Message Definitions for Card Sale To POI - Merchant to Acceptor - Maintenance 2021 - 2022.

May 2022

Table of Contents

1	Message Set Overview	5
1.1	List of MessageDefinitions	5
2	casp.001.001.04 SaleToPOIServiceRequestV04	7
2.1	MessageDefinition Functionality	7
2.2	Structure	8
2.3	Constraints	13
2.4	Message Building Blocks	13
3	casp.002.001.04 SaleToPOIServiceResponseV04	121
3.1	MessageDefinition Functionality	121
3.2	Structure	122
3.3	Constraints	127
3.4	Message Building Blocks	127
4	casp.003.001.04 SaleToPOIReconciliationRequestV04	206
4.1	MessageDefinition Functionality	206
4.2	Structure	207
4.3	Constraints	207
4.4	Message Building Blocks	208
5	casp.004.001.04 SaleToPOIReconciliationResponseV04	223
5.1	MessageDefinition Functionality	223
5.2	Structure	224
5.3	Constraints	225
5.4	Message Building Blocks	226
6	casp.005.001.04 SaleToPOISessionManagementRequestV04	252
6.1	MessageDefinition Functionality	252
6.2	Structure	253
6.3	Constraints	254
6.4	Message Building Blocks	254
7	casp.006.001.04 SaleToPOISessionManagementResponseV04	279
7.1	MessageDefinition Functionality	279
7.2	Structure	280
7.3	Constraints	281
7.4	Message Building Blocks	282
8	casp.007.001.04 SaleToPOIAdministrativeRequestV04	311
8.1	MessageDefinition Functionality	311
8.2	Structure	311
8.3	Constraints	312
8.4	Message Building Blocks	312

9	casp.008.001.04 SaleToPOIAdministrativeResponseV04	326
9.1	MessageDefinition Functionality	326
9.2	Structure	326
9.3	Constraints	327
9.4	Message Building Blocks	327
10	casp.009.001.04 SaleToPOIReportRequestV04	342
10.1	MessageDefinition Functionality	342
10.2	Structure	343
10.3	Constraints	344
10.4	Message Building Blocks	344
11	casp.010.001.04 SaleToPOIReportResponseV04	364
11.1	MessageDefinition Functionality	364
11.2	Structure	365
11.3	Constraints	367
11.4	Message Building Blocks	368
12	casp.011.001.04 SaleToPOIAbortV04	410
12.1	MessageDefinition Functionality	410
12.2	Structure	411
12.3	Constraints	411
12.4	Message Building Blocks	412
13	casp.012.001.04 SaleToPOIEventNotificationV04	428
13.1	MessageDefinition Functionality	428
13.2	Structure	429
13.3	Constraints	430
13.4	Message Building Blocks	430
14	casp.014.001.04 SaleToPOIMessageStatusRequestV04	453
14.1	MessageDefinition Functionality	453
14.2	Structure	454
14.3	Constraints	454
14.4	Message Building Blocks	455
15	casp.015.001.04 SaleToPOIMessageStatusResponseV04	471
15.1	MessageDefinition Functionality	471
15.2	Structure	472
15.3	Constraints	475
15.4	Message Building Blocks	476
16	casp.016.001.04 SaleToPOIDeviceRequestV04	538
16.1	MessageDefinition Functionality	538
16.2	Structure	538
16.3	Constraints	538
16.4	Message Building Blocks	539

17	casp.017.001.04 SaleToPOIDeviceResponseV04	546
17.1	MessageDefinition Functionality	546
17.2	Structure	546
17.3	Constraints	546
17.4	Message Building Blocks	547
18	Message Items Types	553
18.1	MessageComponents	553
18.2	Message Datatypes	908

1 Message Set Overview

Introduction

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

1.1 List of MessageDefinitions

The following table lists all MessageDefinitions described in this book.

MessageDefinition	Definition
casp.001.001.04 SaleToPOIServiceRequestV04	This SaleToPOIServiceRequest message is sent by a sale system to trig a financial service on POI system.
casp.002.001.04 SaleToPOIServiceResponseV04	The SaleToPOIServiceResponse message is sent by a POI to provide the outcome of a financial service.
casp.003.001.04 SaleToPOIReconciliationRequestV04	The SaleToPOIReconciliationRequest message is sent by a sale system to request for reconciliation between sale and POI systems.
casp.004.001.04 SaleToPOIReconciliationResponseV04	The SaleToPOIReconciliationResponse message is sent by a POI to provide the result of reconciliation process between sale and POI systems.
casp.005.001.04 SaleToPOISessionManagementRequestV04	The SaleToPOISessionManagementRequest message is sent by a sale system to select an administrative service related to session management.
casp.006.001.04 SaleToPOISessionManagementResponseV04	The SaleToPOISessionManagementResponse message is sent by a POI to provide the result of an administrative service related to session management.
casp.007.001.04 SaleToPOIAdministrativeRequestV04	The SaleToPOIAdministrativeRequest message is sent by a sale system to POI System to request for an Administrative service.
casp.008.001.04 SaleToPOIAdministrativeResponseV04	The SaleToPOIAdministrativeResponse message is sent by a POI System to a sale system to provide response to an administrative service.
casp.009.001.04 SaleToPOIReportRequestV04	The SaleToPOIReportRequest message is sent by sale system to request a report service.
casp.010.001.04 SaleToPOIReportResponseV04	This SaleToPOIReportResponse message is sent by a POI to provide the report previously expected by a sale system.
casp.011.001.04 SaleToPOIAbortV04	The SaleToPOIAbort message is sent by a sale system to abort process on POI.
casp.012.001.04 SaleToPOIEventNotificationV04	The SaleToPOIEventNotification message is sent by a POI or a sale terminal to inform the other about the happening of an event.
casp.014.001.04 SaleToPOIMessageStatusRequestV04	The SaleToPOIMessageStatusRequest message is sent by a sale system when the sale system wants to know the status of previous message that has not be answered.
casp.015.001.04 SaleToPOIMessageStatusResponseV04	The SaleToPOIMessageStatusResponse message is sent by a POI System to respond to the sale system at a previous message status request.

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

2 casp.001.001.04 SaleToPOIServiceRequestV04

2.1 MessageDefinition Functionality

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

Outline

The SaleToPOIServiceRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

2.2 Structure

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

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

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

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

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

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

2.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

C7 ValidationByTable

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

2.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

2.4.1 Header <Hdr>

Presence: [1..1]

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

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

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

2.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

2.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

2.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

2.4.2 ServiceRequest <SvcReq>

Presence: [1..1]

Definition: Information related to a service request.

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

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

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

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

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

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

2.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScsSctyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

2.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <Spltpmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

2.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService2Code" on page 960

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

2.4.2.4 PaymentRequest <PmtReq>

Presence: [0..1]

Definition: Content of the payment request.

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

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

2.4.2.4.1 PaymentTransaction <PmtTx>

Presence: [0..1]

Definition: Data associated with the Transaction.

PaymentTransaction <PmtTx> contains the following elements (see ["CardPaymentTransaction120"](#) on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIId>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

2.4.2.4.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

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

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

2.4.2.4.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

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 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

2.4.2.4.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

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

2.4.2.4.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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 912

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 908

2.4.2.5 ReversalRequest <RvslReq>

Presence: [0..1]

Definition: Content of the reversal request.

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

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

2.4.2.5.1 ReversalTransaction <RvslTx>

Presence: [0..1]

Definition: Transaction to reverse.

ReversalTransaction <RvsITx> contains the following elements (see "CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIID>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

2.4.2.5.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

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

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

2.4.2.5.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "CustomerOrder1" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

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 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

2.4.2.5.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

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

2.4.2.5.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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 912

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 908

2.4.2.5.3 ReversalReason <RvslRsn>

Presence: [1..1]

Definition: Reason for this reversal.

Datatype: "ReversalReason1Code" on page 964

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

2.4.2.5.4 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount to reverse (total or partial).

Datatype: "ImpliedCurrencyAndAmount" on page 908

2.4.2.5.5 CustomerOrder <CstmrOrd>

Presence: [0..1]

Definition: Specific Customer Order linked with the reversal.

CustomerOrder <CstmrOrdR> contains the following elements (see "CustomerOrder1" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdRId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdRStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

2.4.2.6 BalanceInquiryRequest <BalNqryReq>

Presence: [0..1]

Definition: Content of a Balance Inquiry Request.

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

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

2.4.2.6.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

2.4.2.6.2 PaymentAccountRequest <PmtAcctReq>

Presence: [0..1]

Definition: Data related to the account pointed by the payment card.

PaymentAccountRequest <PmtAcctReq> contains the following **PaymentAccountRequest1** elements

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

2.4.2.6.2.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction. By Default the code Default is taken into account.

Datatype: "CardAccountType3Code" on page 925

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 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

2.4.2.6.2.3 AccountReference <AcctRef>

Presence: [0..1]

Definition: Reference of an account (all types).

Datatype: "Max35Text" on page 981

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]	±		51
	Account <Acct>	[0..1]	±		51

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 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlid>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefld>	[1..1]	Text		817
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

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 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <ldTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

2.4.2.6.4 StoredValueAccountRequest <StordValAcctReq>

Presence: [0..1]

Definition: Data related to a requested Stored value account.

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

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

2.4.2.6.4.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

2.4.2.6.4.2 Data <Data>

Presence: [1..*]

Definition: Data related to the stored value card.

Data <Data> contains the following **StoredValueData5** elements

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

2.4.2.6.4.2.1 Provider <Prvdr>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

2.4.2.6.4.2.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: "StoredValueTransactionType2Code" on page 967

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

2.4.2.6.4.2.3 AccountIdentification <AcctId>

Presence: [0..1]

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

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

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

2.4.2.6.4.2.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 966

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

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

2.4.2.6.4.2.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 928

CodeName	Name	Definition
ACCT	AccountNumber	Account identification.
BARC	BarCode	Bar-code with a specific form of identification.
ISO2	ISOTrack2	ISO Track 2 including identification.
PHON	PhoneNumber	A phone number identifies the account on which the phone card is assigned.
CPAN	PrimaryAccountNumber	Standard card identification (card number).
PRIV	PrivativeNumbering	An identification set by a privative application.
UUID	UniversalUniquelIdentification	A Universal Unique Identification code is set for identification.

2.4.2.6.4.2.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 981

2.4.2.6.4.2.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 981

2.4.2.6.4.2.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 981

2.4.2.6.4.2.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 981

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 978

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 926

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).

CodeName	Name	Definition
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

2.4.2.6.4.2.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

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 908

2.4.2.6.4.2.4 OriginalPOITransaction <OrgnIPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see
"CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIId>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

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 981

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 981

2.4.2.6.4.2.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 912

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

2.4.2.7 LoyaltyRequest <LltyReq>

Presence: [0..1]

Definition: Content of the Loyalty Request.

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

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

2.4.2.7.1 CustomerOrder <CstmrOrd>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

2.4.2.7.2 Transaction <Tx>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

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

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

2.4.2.7.2.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

2.4.2.7.2.2 LoyaltyTransactionType <LtyTxTp>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Datatype: "LoyaltyTransactionType1Code" on page 944

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 912

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 908

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
"CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIID>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

2.4.2.7.2.6 SaleItem <SaleItm>

Presence: [0..*]

Definition: Item purchased with the transaction.

SaleItem <SaleItem> contains the following elements (see "Product6" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItemId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

2.4.2.7.3 Data <Data>

Presence: [0..*]

Definition: Data related to a Loyalty program or account.

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

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

2.4.2.7.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

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 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

2.4.2.7.3.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

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

2.4.2.7.3.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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 912

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 908

2.4.2.8 StoredValueRequest <StordValReq>

Presence: [0..1]

Definition: Content of a Stored Value Request.

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

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

2.4.2.8.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

2.4.2.8.2 Data <Data>

Presence: [1..*]

Definition: Data related to the stored value card.

Data <Data> contains the following **StoredValueData5** elements

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

2.4.2.8.2.1 Provider <Prvdr>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

2.4.2.8.2.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: "StoredValueTransactionType2Code" on page 967

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

2.4.2.8.2.3 AccountIdentification <AcctId>

Presence: [0..1]

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

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

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

2.4.2.8.2.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 966

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

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

2.4.2.8.2.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 928

CodeName	Name	Definition
ACCT	AccountNumber	Account identification.
BARC	BarCode	Bar-code with a specific form of identification.
ISO2	ISOTrack2	ISO Track 2 including identification.
PHON	PhoneNumber	A phone number identifies the account on which the phone card is assigned.
CPAN	PrimaryAccountNumber	Standard card identification (card number).
PRIV	PrivativeNumbering	An identification set by a privative application.
UUID	UniversalUniquelIdentification	A Universal Unique Identification code is set for identification.

2.4.2.8.2.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 981

2.4.2.8.2.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 981

2.4.2.8.2.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 981

2.4.2.8.2.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 981

2.4.2.8.2.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 978

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 926

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).

CodeName	Name	Definition
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

2.4.2.8.2.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

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 908

2.4.2.8.2.4 OriginalPOITransaction <OrgnlPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see
"CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIId>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

2.4.2.8.2.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: "Max35Text" on page 981

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 981

2.4.2.8.2.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 912

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

2.4.2.9 BatchRequest <BtchReq>

Presence: [0..1]

Definition: Content of the Batch Request.

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

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

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

2.4.2.9.1 SaleBatchIdentification <SaleBtchId>

Presence: [0..1]

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

SaleBatchIdentification <SaleBtchId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 976):

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

2.4.2.9.3 TransactionToPerform <TxToPrfrm>

Presence: [0..*]

Definition: Content of the Batch Request message.

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

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

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

2.4.2.9.3.1 PaymentRequest <PmtReq>

Presence: [0..1]

Definition: Content of the Payment Request message.

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

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

2.4.2.9.3.1.1 PaymentTransaction <PmtTx>

Presence: [0..1]

Definition: Data associated with the Transaction.

PaymentTransaction <PmtTx> contains the following elements (see ["CardPaymentTransaction120"](#) on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIID>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

2.4.2.9.3.1.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

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

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

2.4.2.9.3.1.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "CustomerOrder1" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

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 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

2.4.2.9.3.1.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

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

2.4.2.9.3.1.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "[AmountUnit1Code](#)" on page 920

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 912

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 908

2.4.2.9.3.2 LoyaltyRequest <LtyReq>

Presence: [0..1]

Definition: Content of the Loyalty Request message.

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

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

2.4.2.9.3.2.1 CustomerOrder <CstmrOrd>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

2.4.2.9.3.2.2 Transaction <Tx>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

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

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

2.4.2.9.3.2.2.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

2.4.2.9.3.2.2.2 LoyaltyTransactionType <LtyTxTp>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Datatype: "LoyaltyTransactionType1Code" on page 944

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 912

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 908

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
"CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIID>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

2.4.2.9.3.2.2.6 SaleItem <SaleItm>

Presence: [0..*]

Definition: Item purchased with the transaction.

SaleItem <SaleItem> contains the following elements (see "Product6" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItemId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

2.4.2.9.3.2.3 Data <Data>

Presence: [0..*]

Definition: Data related to a Loyalty program or account.

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

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

2.4.2.9.3.2.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

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 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

2.4.2.9.3.2.3.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

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

2.4.2.9.3.2.3.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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 912

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 908

2.4.2.9.3.3 ReversalRequest <RvslReq>

Presence: [0..1]

Definition: Content of the Reversal Request message.

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

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

2.4.2.9.3.3.1 ReversalTransaction <RvslTx>

Presence: [0..1]

Definition: Transaction to reverse.

ReversalTransaction <RvsITx> contains the following elements (see "CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIID>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

2.4.2.9.3.3.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

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

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

2.4.2.9.3.3.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdrStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

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 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

2.4.2.9.3.3.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

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

2.4.2.9.3.3.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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 912

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 908

2.4.2.9.3.3.3 ReversalReason <RvsIRsn>

Presence: [1..1]

Definition: Reason for this reversal.

Datatype: "ReversalReason1Code" on page 964

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

2.4.2.9.3.3.4 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount to reverse (total or partial).

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

2.4.2.10 EnableServiceRequest <NbISvcReq>

Presence: [0..1]

Definition: Content of the Enable Service Request.

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

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

2.4.2.10.1 TransactionAction <TxActn>

Presence: [1..1]

Definition: Action to realise on a transaction.

Datatype: "TransactionAction1Code" on page 970

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

2.4.2.10.2 ServicesEnabled <SvcsNbld>

Presence: [0..1]

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

Datatype: "RetailerService2Code" on page 960

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

2.4.2.10.3 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Prompt or welcome message.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRcdNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

2.4.2.11 CardAcquisitionRequest <CardAcqstnReq>

Presence: [0..1]

Definition: Content of the Card Acquisition Request.

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

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

2.4.2.11.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 981

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 981

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 976):

- *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 908

2.4.2.11.6 PaymentType <PmtTp>

Presence: [0..1]

Definition: Type of payment transaction.

Datatype: "CardPaymentServiceType13Code" on page 929

CodeName	Name	Definition
CRDP	CardPayment	Card payment.

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

2.4.2.11.7 CashBackFlag <CshBckFlg>

Presence: [0..1]

Definition: Indicates if Cashback is allowed

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 976):

- *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 982

2.4.2.11.9 SaleToAcquirerData <SaleToAcqrrData>

Presence: [0..1]

Definition: Sale information intended for the Acquirer.

Datatype: ["Max70Text"](#) on page 982

2.4.2.11.10 SaleToIssuerData <SaleToIssrData>

Presence: [0..1]

Definition: Sale information intended for the Issuer.

Datatype: ["Max70Text"](#) on page 982

2.4.2.12 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: C5 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

2.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

3 casp.002.001.04 SaleToPOIServiceResponseV04

3.1 MessageDefinition Functionality

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

Outline

The SaleToPOIServiceResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the response.

B. ServiceResponse

Information related to the response of a service request.

C. SecurityTrailer

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

3.2 Structure

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

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

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

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

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

3.3 Constraints

C1 **ActiveCurrency**

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

C2 **AnyBIC**

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

C3 **Country**

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

C4 **IBAN**

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

C5 **SupplementaryDataRule**

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

C6 **ValidationByTable**

Must be a valid terrestrial language.

C7 **ValidationByTable**

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

3.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

3.4.1 Header <Hdr>

Presence: [1..1]

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

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

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

3.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

3.4.1.3 Exchangeldentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

3.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrld>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrld>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

3.4.2 ServiceResponse <SvcRspn>

Presence: [1..1]

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

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

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

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

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

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

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

3.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wllt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScsSctyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BllgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrdrhldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

3.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcnclnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <Spltpmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

3.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service response.

Datatype: "RetailerService3Code" on page 961

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

3.4.2.4 PaymentResponse <PmtRspn>

Presence: [0..1]

Definition: Data to respond to a Payment request.

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

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

3.4.2.4.1 SaleTransactionIdentification <SaleTxld>

Presence: [1..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 981

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 981

3.4.2.4.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 979

3.4.2.4.6 RetailerPaymentResult <RtlrPmtRsIt>

Presence: [1..1]

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

RetailerPaymentResult <RtlrPmtRslt> contains the following elements (see
"RetailerPaymentResult4" on page 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		678
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		679
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		679
	RequestedTransaction <ReqdTxx>	[0..1]	±		680
	TransactionResponse <TxRspn>	[0..1]			684
	AuthorisationResult <AuthstnRslt>	[1..1]			687
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		687
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			687
	Response <Rspn>	[1..1]	CodeSet		688
	ResponseReason <RspnRsn>	[0..1]	Text		688
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		688
	AuthorisationCode <AuthstnCd>	[0..1]	Text		688
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		688
	TMSTrigger <TMSTrggr>	[0..1]			689
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		689
	TMSIdentification <TMSId>	[0..1]	Text		689
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		689
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			689
	Method <Mtd>	[1..1]	CodeSet		690
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		691
	Result <Rslt>	[0..1]	CodeSet		691
	AdditionalResult <AddtlRslt>	[0..1]	Text		691
	AllowedProductCode <AllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		693

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		693
	AmountLimit <AmtLmt>	[0..1]	Amount		693
	QuantityLimit <QtyLmt>	[0..1]	Quantity		693
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		693
	Balance <Bal>	[0..1]	±		695
	ProtectedBalance <PrtctdBal>	[0..1]	±		695
	Action <Actn>	[0..*]			696
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]	±		697
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			697
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		698
	TargetCurrency <TrgtCcy>	[1..1]			699
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	699
	NumericCode <NmrcCd>	[1..1]	Text		699
	Decimal <Dcml>	[1..1]	Quantity		699
	Name <Nm>	[0..1]	Text		699
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		700
	ExchangeRate <XchgRate>	[1..1]	Rate		700
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		700
	QuotationDate <QtnDt>	[0..1]	DateTime		700
	ValidUntil <VldUntil>	[0..1]	DateTime		700
	SourceCurrency <SrcCcy>	[1..1]			700
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	700
	NumericCode <NmrcCd>	[0..1]	Text		701
	Decimal <Dcml>	[0..1]	Quantity		701
	Name <Nm>	[0..1]	Text		701
	OriginalAmount <OrgnlAmt>	[1..1]			701
	ActualAmount <ActlAmt>	[0..1]	Amount		701
	MinimumAmount <MinAmt>	[0..1]	Amount		701
	MaximumAmount <MaxAmt>	[0..1]	Amount		702
	CommissionDetails <ComssnDtls>	[0..*]			702

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		702
	MarkUpDetails <MrkUpDtls>	[0..*]			702
	Rate <Rate>	[1..1]	Rate		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		703
	DeclarationDetails <Dclrtndtls>	[0..*]	±		703
	CustomerOrder <CstmrOrd>	[0..*]	±		703
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			704
	ImageFormat <ImgFrmt>	[1..1]	Text		704
	ImageData <ImgData>	[0..1]	Binary		704
	ImageReference <ImgRef>	[0..1]	Text		705
	AdditionalInformation <AddtlInf>	[0..1]	Text		705
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		705
	MerchantOverrideFlag <MrchntOvrdrFlg>	[0..1]	Indicator		705
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	705
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		705

3.4.2.4.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "PaymentReceipt4" on page 710 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		711
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		711
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		711
	OutputContent <OutptCntt>	[1..1]	±		712

3.4.2.4.8 LoyaltyResult <LltyRslt>

Presence: [0..*]

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

LoyaltyResult <LtyRslt> contains the following **LoyaltyResult3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Account <Acct>	[1..1]	±		151
	Amount <Amt>	[0..1]			152
	Unit <Unit>	[0..1]	CodeSet		152
	Currency <Ccy>	[0..1]	CodeSet	C1	152
	Amount <Amt>	[1..1]	Amount		152
	ServerData <SvrData>	[0..1]			152
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		153
	ApprovalCode <ApprvICd>	[0..1]	Text		153
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		153
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		153
	Rebates <Rbts>	[0..1]			153
	TotalRebate <TtlRbt>	[0..1]	Amount		154
	RebateLabel <RbtLbl>	[0..1]	Text		154
	SaleItemRebate <SaleItmRbt>	[0..*]			154
	SaleItem <SaleItm>	[1..1]	±		154
	RebateLabel <RbtLbl>	[0..1]	Text		155

3.4.2.4.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "LoyaltyAccount3" on page 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

3.4.2.4.8.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

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

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

3.4.2.4.8.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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 912

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 908

3.4.2.4.8.3 ServerData <SvrData>

Presence: [0..1]

Definition: Data sent by the Loyalty server.

ServerData <SvrData> contains the following **LoyaltyServerData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		153
	ApprovalCode <ApprvICd>	[0..1]	Text		153
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		153
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		153

3.4.2.4.8.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 981

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 984

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 981

3.4.2.4.8.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

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

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

3.4.2.4.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 981

3.4.2.4.8.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

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

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

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

3.4.2.4.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

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 981

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 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

3.4.2.5 ReversalResponse <RvslRspn>

Presence: [0..1]

Definition: Response Data to a Reversal request.

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

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

3.4.2.5.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 981

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 981

3.4.2.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 979

3.4.2.5.6 ReversalTransactionResult <RvsITxRslt>

Presence: [1..1]

Definition: Result of reversal transaction.

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

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

3.4.2.5.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

Datatype: "Max35Text" on page 981

3.4.2.5.6.2 OriginalPaymentTransaction <OrgnlPmtTx>

Presence: [0..1]

Definition: Original Transaction if any linked to this reversal.

OriginalPaymentTransaction <OrgnlPmtTx> contains the following elements (see
"CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIID>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvsld>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrdr>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

3.4.2.5.6.3 CustomerOrder <CstmrOrdr>

Presence: [0..*]

Definition: Updated Customer order list after reversal.

CustomerOrder <CstmrOrdrl> contains the following elements (see "CustomerOrder1" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdrlId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdrlStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

3.4.2.5.7 ReversedAmount <RvstdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "ImpliedCurrencyAndAmount" on page 908

3.4.2.5.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

Receipt <Rct> contains the following elements (see "PaymentReceipt4" on page 710 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		711
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		711
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		711
	OutputContent <OutptCntt>	[1..1]	±		712

3.4.2.6 BalanceInquiryResponse <BalNqryRspn>

Presence: [0..1]

Definition: Response data to a balance inquiry service request.

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

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

3.4.2.6.1 SaleTransactionIdentification <SaleTxld>

Presence: [0..1]

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

SaleTransactionIdentification <SaleTxld> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

3.4.2.6.2 POITransactionIdentification <POITxld>

Presence: [0..1]

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

POITransactionIdentification <POITxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

3.4.2.6.3 PaymentAccount <PmtAcct>

Presence: [0..1]

Definition: Payment account information.

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

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

3.4.2.6.3.1 Currency <Ccy>

Presence: [0..1]

Definition: Currency of a Payment Account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

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 908

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 553 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		553
	ParametersVersion <ParamsVrsn>	[0..1]	Text		553

3.4.2.6.4 LoyaltyAccount <LtyAcct>

Presence: [0..1]

Definition: Loyalty account information.

LoyaltyAccount <LtyAcct> contains the following elements (see "[LoyaltyAccount3](#)" on page 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

3.4.2.6.5 StoredValueAccount <StordValAcct>

Presence: [0..*]

Definition: Stored value account information.

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

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

3.4.2.6.5.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 966

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 928

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 981

3.4.2.6.5.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 981

3.4.2.6.5.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 981

3.4.2.6.5.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 981

3.4.2.6.5.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 978

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 926

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 912

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 908

3.4.2.6.6 Receipt <Rct>

Presence: [0..*]

Definition: Receipt to print after a balance inquiry.

Receipt <Rct> contains the following elements (see "PaymentReceipt4" on page 710 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		711
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		711
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		711
	OutputContent <OutptCntt>	[1..1]	±		712

3.4.2.7 LoyaltyResponse <LltyRspn>

Presence: [0..1]

Definition: Response data to a loyalty service request.

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

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

3.4.2.7.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 981

3.4.2.7.4 Result <Rslt>

Presence: [0..*]

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

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

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

3.4.2.7.4.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "LoyaltyAccount3" on page 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

3.4.2.7.4.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

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

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

3.4.2.7.4.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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 912

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 908

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 <LtySvrId>	[0..1]	Text		174
	ApprovalCode <ApprvICd>	[0..1]	Text		174
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		174
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		175

3.4.2.7.4.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 981

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 984

3.4.2.7.4.3.3 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

3.4.2.7.4.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

3.4.2.7.4.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

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

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

3.4.2.7.4.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 981

3.4.2.7.4.4.3 SaleItemRebate <SaleItmRbt>

Presence: [0..*]

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

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

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

3.4.2.7.4.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

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 981

3.4.2.8 StoredValueResponse <StordValRspn>

Presence: [0..1]

Definition: Response data to a Stored Value request.

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

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

3.4.2.8.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

3.4.2.8.3 Result <RsIt>

Presence: [0..*]

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

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

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

3.4.2.8.3.1 Provider <Prvdr>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

3.4.2.8.3.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: "StoredValueTransactionType2Code" on page 967

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

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

3.4.2.8.3.3 AccountIdentification <AcctId>

Presence: [0..1]

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

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

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

3.4.2.8.3.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 966

CodeName	Name	Definition
BNKA	BankPrepaidAccount	Prepaid account managed by a financial institution for low income customers.
CWVC	CarwashVoucher	Car wash specific account.
CPYA	CompanyPrepaidAccount	Specific prepaid account for companies or professionals expenses.

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

3.4.2.8.3.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 928

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 981

3.4.2.8.3.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 981

3.4.2.8.3.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 981

3.4.2.8.3.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 981

3.4.2.8.3.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 978

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 926

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.

CodeName	Name	Definition
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

3.4.2.8.3.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

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 908

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
"CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIId>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

3.4.2.8.3.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: "Max35Text" on page 981

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 981

3.4.2.8.3.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 912

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

3.4.2.8.4 Receipt <Rct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

Receipt <Rct> contains the following elements (see "PaymentReceipt4" on page 710 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		711
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		711
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		711
	OutputContent <OutptCntt>	[1..1]	±		712

3.4.2.9 BatchResponse <BtchRspn>

Presence: [0..1]

Definition: Content of the Batch Response message.

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

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

3.4.2.9.1 SaleBatchIdentification <SaleBtchId>

Presence: [0..1]

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

SaleBatchIdentification <SaleBtchId> contains the following elements (see "[TransactionIdentifier1](#)" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

3.4.2.9.3 PerformedTransaction <PrfrmdTx>

Presence: [0..*]

Definition: Performed transaction content.

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

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

3.4.2.9.3.1 Response <Rspn>

Presence: [1..1]

Definition: Response for this performed transaction.

Response <Rspn> contains the following elements (see ["ResponseType11" on page 814](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

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 836](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 836](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

3.4.2.9.3.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Identification of the POI reconciliation period.

Datatype: ["Max35Text" on page 981](#)

3.4.2.9.3.5 PaymentResult <PmtRslt>

Presence: [0..1]

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

PaymentResult <PmtRslt> contains the following elements (see "RetailerPaymentResult4" on page 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		678
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		679
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		679
	RequestedTransaction <ReqdTxx>	[0..1]	±		680
	TransactionResponse <TxRspn>	[0..1]			684
	AuthorisationResult <AuthstnRslt>	[1..1]			687
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		687
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			687
	Response <Rspn>	[1..1]	CodeSet		688
	ResponseReason <RspnRsn>	[0..1]	Text		688
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		688
	AuthorisationCode <AuthstnCd>	[0..1]	Text		688
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		688
	TMSTrigger <TMSTrggr>	[0..1]			689
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		689
	TMSIdentification <TMSId>	[0..1]	Text		689
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		689
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			689
	Method <Mtd>	[1..1]	CodeSet		690
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		691
	Result <Rslt>	[0..1]	CodeSet		691
	AdditionalResult <AddtlRslt>	[0..1]	Text		691
	AllowedProductCode <AllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		693

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		693
	AmountLimit <AmtLmt>	[0..1]	Amount		693
	QuantityLimit <QtyLmt>	[0..1]	Quantity		693
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		693
	Balance <Bal>	[0..1]	±		695
	ProtectedBalance <PrtctdBal>	[0..1]	±		695
	Action <Actn>	[0..*]			696
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]	±		697
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			697
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		698
	TargetCurrency <TrgtCcy>	[1..1]			699
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	699
	NumericCode <NmrcCd>	[1..1]	Text		699
	Decimal <Dcml>	[1..1]	Quantity		699
	Name <Nm>	[0..1]	Text		699
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		700
	ExchangeRate <XchgRate>	[1..1]	Rate		700
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		700
	QuotationDate <QtnDt>	[0..1]	DateTime		700
	ValidUntil <VldUntil>	[0..1]	DateTime		700
	SourceCurrency <SrcCcy>	[1..1]			700
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	700
	NumericCode <NmrcCd>	[0..1]	Text		701
	Decimal <Dcml>	[0..1]	Quantity		701
	Name <Nm>	[0..1]	Text		701
	OriginalAmount <OrgnlAmt>	[1..1]			701
	ActualAmount <ActlAmt>	[0..1]	Amount		701
	MinimumAmount <MinAmt>	[0..1]	Amount		701
	MaximumAmount <MaxAmt>	[0..1]	Amount		702
	CommissionDetails <ComssnDtls>	[0..*]			702

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		702
	MarkUpDetails <MrkUpDtls>	[0..*]			702
	Rate <Rate>	[1..1]	Rate		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		703
	DeclarationDetails <Dclrtndtls>	[0..*]	±		703
	CustomerOrder <CstmrOrd>	[0..*]	±		703
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			704
	ImageFormat <ImgFrmt>	[1..1]	Text		704
	ImageData <ImgData>	[0..1]	Binary		704
	ImageReference <ImgRef>	[0..1]	Text		705
	AdditionalInformation <AddtlInf>	[0..1]	Text		705
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		705
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		705
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	705
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		705

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

3.4.2.9.3.6.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "LoyaltyAccount3" on page 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

3.4.2.9.3.6.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

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

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

3.4.2.9.3.6.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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 912

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 908

3.4.2.9.3.6.3 ServerData <SvrData>

Presence: [0..1]

Definition: Data sent by the Loyalty server.

ServerData <SvrData> contains the following **LoyaltyServerData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		199
	ApprovalCode <ApprvICd>	[0..1]	Text		199
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		199
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		199

3.4.2.9.3.6.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 981

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 984

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 981

3.4.2.9.3.6.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

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

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

3.4.2.9.3.6.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 981

3.4.2.9.3.6.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItem <Saleitm>	[1..1]	±		200
	RebateLabel <RbtLabl>	[0..1]	Text		201

3.4.2.9.3.6.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

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 981

3.4.2.9.3.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount of the payment or loyalty to reverse.

Datatype: "ImpliedCurrencyAndAmount" on page 908

3.4.2.10 CardAcquisitionResponse <CardAcqstnRspn>

Presence: [0..1]

Definition: Content of the Card Acquisition Response message.

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

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

3.4.2.10.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

3.4.2.10.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

Datatype: "Max35Text" on page 981

3.4.2.10.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 942

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 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

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 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

3.4.2.11 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "ResponseType1" on page 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

3.4.2.12 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: C5 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

3.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on [page 879](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

4 casp.003.001.04 SaleToPOIRconciliationRequestV04

4.1 MessageDefinition Functionality

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

Outline

The SaleToPOIRconciliationRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

4.2 Structure

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

4.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

4.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

4.4.1 Header <Hdr>

Presence: [1..1]

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

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

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

4.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

4.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

4.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

4.4.2 ReconciliationRequest <RcncltnReq>

Presence: [1..1]

Definition: Information related to the reconciliation request.

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

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

4.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BllgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

4.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

4.4.2.3 ReconciliationRequestData <RcncltnReqData>

Presence: [1..1]

Definition: Content of the Reconciliation Request message.

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

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

4.4.2.3.1 ReconciliationType <RcncltnTp>

Presence: [1..1]

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

Datatype: "ReconciliationType1Code" on page 953

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 981

4.4.2.3.3 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

4.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

5 casp.004.001.04 SaleToPOIRconciliationResponseV04

5.1 MessageDefinition Functionality

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

Outline

The SaleToPOIRconciliationResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

5.2 Structure

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

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

5.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

5.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

5.4.1 Header <Hdr>

Presence: [1..1]

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

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

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

5.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

5.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

5.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

5.4.2 ReconciliationResponse <RcncltnRspn>

Presence: [1..1]

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

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

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

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

5.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

5.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

5.4.2.3 ReconciliationResponseData <RcncltnRspnData>

Presence: [1..1]

Definition: Content of the Reconciliation Response message.

ReconciliationResponseData <RcncltnRspnData> contains the following
ReconciliationResponseData1 elements

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

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

5.4.2.3.1 ReconciliationType <RcncltnTp>

Presence: [1..1]

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

Datatype: "ReconciliationType1Code" on page 953

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 981

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 <PmtInstrmTp>	[1..1]	CodeSet		244
	AcquirerIdentification <Acqrrld>	[0..1]	Text		244
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		244
	SaleReconciliationIdentification <SaleRcncltnld>	[0..1]	Text		244
	Brand <Brnd>	[0..1]	Text		244
	POIIdentification <POIld>	[0..1]	Text		244
	SaleIdentification <Saleld>	[0..1]	Text		245
	CashierIdentification <Cshrlld>	[0..1]	Text		245
	ShiftNumber <ShftNb>	[0..1]	Text		245
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			245
	CommonName <CmonNm>	[1..1]	Text		245
	Address <Adr>	[0..1]	Text		245
	CountryCode <CtryCd>	[1..1]	CodeSet		245
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		246
	RegisteredIdentifier <Regldr>	[1..1]	Text		246
	TransactionTotal <TxTtl>	[1..1]			246
	POIGroupIdentification <POIGrpld>	[0..1]	Text		246
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		246
	Currency <Ccy>	[0..1]	CodeSet	C1	246
	Type <Tp>	[1..1]	CodeSet		247
	TotalNumber <TtlNb>	[1..1]	Quantity		247
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		247
	DetailedAmount <DtlldAmt>	[0..1]	±		247
	LoyaltyTransactionTotal <LtyTxTtl>	[0..*]			248
	POIGroupIdentification <POIGrpld>	[0..1]	Text		248
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		248
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		249
	Currency <Ccy>	[0..1]	CodeSet	C1	249
	TransactionType <TxTp>	[1..1]	CodeSet		249
	TotalNumber <TtlNb>	[1..1]	Quantity		249
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		250

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

5.4.2.3.3.1 PaymentInstrumentType <PmtInstrmTp>

Presence: [1..1]

Definition: Type of payment instrument.

Datatype: "PaymentInstrumentType1Code" on page 949

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 <Acqrrld>

Presence: [0..1]

Definition: Identification of an Acquirer.

Datatype: "Max35Text" on page 981

5.4.2.3.3.3 ReconciliationIdentification <Rcncltnld>

Presence: [0..1]

Definition: Identifier of a host reconciliation period: acquirer for a payment or server for loyalty.

Datatype: "Max35Text" on page 981

5.4.2.3.3.4 SaleReconciliationIdentification <SaleRcncltnld>

Presence: [0..1]

Definition: Identifier of a reconciliation period on the sale system.

Datatype: "Max35Text" on page 981

5.4.2.3.3.5 Brand <Brnd>

Presence: [0..1]

Definition: Brand of payment card or loyalty system.

Datatype: "Max35Text" on page 981

5.4.2.3.3.6 POIIdentification <POIld>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 981

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 981

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 981

5.4.2.3.3.9 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max2NumericText" on page 980

5.4.2.3.3.10 SponsoredMerchant <SpnsrdMrchnt>

Presence: [0..*]

Definition: Merchant using the payment services of a payment facilitator, acting as a card acceptor.

SponsoredMerchant <SpnsrdMrchnt> contains the following **Organisation26** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommonName <CmonNm>	[1..1]	Text		245
	Address <Adr>	[0..1]	Text		245
	CountryCode <CtryCd>	[1..1]	CodeSet		245
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		246
	RegisteredIdentifier <RegIdIdr>	[1..1]	Text		246

5.4.2.3.3.10.1 CommonName <CmonNm>

Presence: [1..1]

Definition: Name of the merchant.

Datatype: "Max70Text" on page 982

5.4.2.3.3.10.2 Address <Adr>

Presence: [0..1]

Definition: Location of the merchant.

Datatype: "Max140Text" on page 979

5.4.2.3.3.10.3 CountryCode <CtryCd>

Presence: [1..1]

Definition: Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 941

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 983

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 981

5.4.2.3.3.11 TransactionTotal <TxTtl>

Presence: [1..1]

Definition: Payment Transaction totals during the reconciliation period, for a certain type of transaction.

TransactionTotal <TxTtl> contains the following **TransactionTotals8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIGroupIdentification <POIGrpId>	[0..1]	Text		246
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		246
	Currency <Ccy>	[0..1]	CodeSet	C1	246
	Type <Tp>	[1..1]	CodeSet		247
	TotalNumber <TtlNb>	[1..1]	Quantity		247
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		247
	DetailedAmount <DtldAmt>	[0..1]	±		247

5.4.2.3.3.11.1 POIGroupIdentification <POIGrpId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

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 981

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 912

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 971

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 977

5.4.2.3.3.11.6 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 620 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		620
	CashBack <CshBck>	[0..1]	Amount		620
	Gratuity <Grtty>	[0..1]	Amount		620
	Fees <Fees>	[0..*]	±		621
	Rebate <Rbt>	[0..*]	±		621
	ValueAddedTax <ValAddedTax>	[0..*]	±		621
	Surcharge <Srchr>	[0..*]	±		621

5.4.2.3.3.12 LoyaltyTransactionTotal <LltyTxTtl>

Presence: [0..*]

Definition: Loyalty Transaction totals during the reconciliation period, for a certain type of transaction.

LoyaltyTransactionTotal <LltyTxTtl> contains the following **LoyaltyTransactionTotals1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIGroupldentification <POIGrpld>	[0..1]	Text		248
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		248
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		249
	Currency <Ccy>	[0..1]	CodeSet	C1	249
	TransactionType <TxTp>	[1..1]	CodeSet		249
	TotalNumber <TtlNb>	[1..1]	Quantity		249
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		250
	DetailedAmount <DtldAmt>	[0..1]	±		250

5.4.2.3.3.12.1 POIGroupldentification <POIGrpld>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

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 920

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 981

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 912

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 944

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 977

5.4.2.3.3.12.7 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 620 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		620
	CashBack <CshBck>	[0..1]	Amount		620
	Gratuity <Grtty>	[0..1]	Amount		620
	Fees <Fees>	[0..*]	±		621
	Rebate <Rbt>	[0..*]	±		621
	ValueAddedTax <ValAddedTax>	[0..*]	±		621
	Surcharge <Srchr>	[0..*]	±		621

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 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

5.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

6 casp.005.001.04 SaleToPOISessionManagementRequestV04

6.1 MessageDefinition Functionality

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

Outline

The SaleToPOISessionManagementRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

6.2 Structure

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

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

6.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

6.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

6.4.1 Header <Hdr>

Presence: [1..1]

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

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

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

6.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

6.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

6.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

6.4.2 SessionManagementRequest <SsnMgmtReq>

Presence: [1..1]

Definition: Information related to the session management request.

SessionManagementRequest <SsnMgmtReq> contains the following
SessionManagementRequest5 elements

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

6.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrdrhldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

6.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

6.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService4Code" on page 962

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

6.4.2.4 LoginRequest <LgnReq>

Presence: [0..1]

Definition: Content of the Login Request message.

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

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

6.4.2.4.1 LoginDateTime <LgnDtTm>

Presence: [1..1]

Definition: Date and Time of Login.

Datatype: "ISODatetime" on page 974

6.4.2.4.2 SaleSoftware <SaleSftwr>

Presence: [1..*]

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

SaleSoftware <SaleSftwr> contains the following elements (see "PointOfInteractionComponent12" on page 797 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		799
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		800
	Identification <Id>	[1..1]			801
	ItemNumber <ItmNb>	[0..1]	Text		801
	ProviderIdentification <PrvdrId>	[0..1]	Text		801
	Identification <Id>	[0..1]	Text		801
	SerialNumber <SrlNb>	[0..1]	Text		801
	Status <Sts>	[0..1]			801
	VersionNumber <VrsnNb>	[0..1]	Text		802
	Status <Sts>	[0..1]	CodeSet		802
	ExpiryDate <XpryDt>	[0..1]	Date		802
	StandardCompliance <StdCmplc>	[0..*]			802
	Identification <Id>	[1..1]	Text		802
	Version <Vrsn>	[1..1]	Text		803
	Issuer <Issr>	[1..1]	Text		803
	Characteristics <Chrtcs>	[0..1]			803
	Memory <Mmry>	[0..*]			804
	Identification <Id>	[1..1]	Text		805
	TotalSize <TtlSz>	[1..1]	Quantity		805
	FreeSize <FreeSz>	[1..1]	Quantity		805
	Unit <Unit>	[1..1]	CodeSet		805
	Communication <Com>	[0..*]			805
	CommunicationType <ComTp>	[1..1]	CodeSet		806
	RemoteParty <RmotPty>	[1..*]	CodeSet		807
	Active <Actv>	[1..1]	Indicator		807
	Parameters <Params>	[0..1]	±		807
	PhysicalInterface <PhysIntrfc>	[0..1]			808
	InterfaceName <IntrfcNm>	[1..1]	Text		808
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		808
	UserName <UsrNm>	[0..1]	Text		809

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		809
	SecurityProfile <SctyPrfl>	[0..1]	Text		809
	AdditionalParameters <AddtlParams>	[0..1]	Binary		809
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		810
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		810
	SecurityElement <SctyElmt>	[0..*]	±		810
	Assessment <Assmnt>	[0..*]			810
	Type <Tp>	[1..1]	CodeSet		811
	Assigner <Assgnr>	[1..*]	Text		811
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		811
	ExpirationDate <XprtnDt>	[0..1]	DateTime		811
	Number <Nb>	[1..1]	Text		811
	Package <Packg>	[0..*]			812
	PackageIdentification <PackgId>	[0..1]	±		812
	PackageLength <PackgLngh>	[0..1]	Quantity		812
	OffsetStart <OffsetStart>	[0..1]	Quantity		812
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		813
	PackageBlock <PackgBlck>	[0..*]			813
	Identification <Id>	[1..1]	Text		813
	Value <Val>	[0..1]	Binary		813
	ProtectedValue <PrctcdVal>	[0..1]	±		813
	Type <Tp>	[0..1]	Text		814

6.4.2.4.3 SaleTerminalData <SaleTermnlData>

Presence: [0..1]

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

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

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

6.4.2.4.3.1 TerminalEnvironment <TermnlEnvnt>

Presence: [0..1]

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

Datatype: "AttendanceContext1Code" on page 920

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 981

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 976):

- *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 981

6.4.2.4.6 CashierLanguage <CshrLang>

Presence: [1..1]

Definition: Language of the cashier.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 942

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 980

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 965

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 934

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

6.4.2.4.10 POIIdentification <POIID>

Presence: [0..1]

Definition: POI Terminal identification.

POIIdentification <POIID> contains the following **PointOfInteractionComponentIdentification2** elements

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

6.4.2.4.10.1 ItemNumber <ItmNb>

Presence: [0..1]

Definition: Hierarchical identification of a hardware component inside all the hardware component of the POI. It is composed of all item numbers of the upper level components, separated by the '.' character, ended by the item number of the current component.

Datatype: "Max35Text" on page 981

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 981

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 980

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 980

6.4.2.4.11 TotalsGroupIdentification <TtlsGrpId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

6.4.2.4.12 OutputDisplay <OutptDisp>

Presence: [0..1]

Definition: Message to be displayed.

OutputDisplay <OutptDisp> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrnd>	[0..1]			794
	BarcodeType <BrndTp>	[1..1]	CodeSet		795
	BarcodeValue <BrndVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRcdNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

6.4.2.5 LogoutRequest <LgtReq>

Presence: [0..1]

Definition: Content of the Logout Request message.

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

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

6.4.2.5.1 MaintenanceAllowed <MntncAllwd>

Presence: [0..1]

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

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

6.4.2.6 DiagnosisRequest <DgnssReq>

Presence: [0..1]

Definition: Content of the Diagnosis Request message.

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

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

6.4.2.6.1 HostDiagnosisFlag <HstDgnssFlg>

Presence: [0..1]

Definition: Indicates if Host Diagnosis are required.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 976](#)):

- *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 981](#)

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 675](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

6.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

7 casp.006.001.04

SaleToPOISessionManagementResponseV04

7.1 MessageDefinition Functionality

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

Outline

The SaleToPOISessionManagementResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. SessionManagementResponse

Information related to the response of a session management request.

C. SecurityTrailer

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

7.2 Structure

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

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

7.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

7.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

7.4.1 Header <Hdr>

Presence: [1..1]

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

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

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

7.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

7.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

7.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

7.4.2 SessionManagementResponse <SsnMgmtRspn>

Presence: [1..1]

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

SessionManagementResponse <SsnMgmtRspn> contains the following
SessionManagementResponse5 elements

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

7.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Env> contains the following elements (see "CardPaymentEnvironment78" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

7.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

7.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service answered.

Datatype: "RetailerService5Code" on page 962

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

7.4.2.4 LoginResponse <LgnRspn>

Presence: [0..1]

Definition: Content of the Login Response message.

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

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

7.4.2.4.1 POIDateTime <POIDtTm>

Presence: [1..1]

Definition: Date and Time of POI Login.

Datatype: "ISODateTime" on page 974

7.4.2.4.2 POISoftware <POISftwr>

Presence: [1..*]

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

POISoftware <POISftwr> contains the following elements (see "PointOfInteractionComponent12" on page 797 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		799
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		800
	Identification <Id>	[1..1]			801
	ItemNumber <ItmNb>	[0..1]	Text		801
	ProviderIdentification <PrvdrlId>	[0..1]	Text		801
	Identification <Id>	[0..1]	Text		801
	SerialNumber <SrlNb>	[0..1]	Text		801
	Status <Sts>	[0..1]			801
	VersionNumber <VrsnNb>	[0..1]	Text		802
	Status <Sts>	[0..1]	CodeSet		802
	ExpiryDate <XpryDt>	[0..1]	Date		802
	StandardCompliance <StdCmplc>	[0..*]			802
	Identification <Id>	[1..1]	Text		802
	Version <Vrsn>	[1..1]	Text		803
	Issuer <Issr>	[1..1]	Text		803
	Characteristics <Chrtcs>	[0..1]			803
	Memory <Mmry>	[0..*]			804
	Identification <Id>	[1..1]	Text		805
	TotalSize <TtlSz>	[1..1]	Quantity		805
	FreeSize <FreeSz>	[1..1]	Quantity		805
	Unit <Unit>	[1..1]	CodeSet		805
	Communication <Com>	[0..*]			805
	CommunicationType <ComTp>	[1..1]	CodeSet		806
	RemoteParty <RmotPty>	[1..*]	CodeSet		807
	Active <Actv>	[1..1]	Indicator		807
	Parameters <Params>	[0..1]	±		807
	PhysicalInterface <PhysIntrfc>	[0..1]			808
	InterfaceName <IntrfcNm>	[1..1]	Text		808
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		808
	UserName <UsrNm>	[0..1]	Text		809

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		809
	SecurityProfile <SctyPrfl>	[0..1]	Text		809
	AdditionalParameters <AddtlParams>	[0..1]	Binary		809
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		810
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		810
	SecurityElement <SctyElmt>	[0..*]	±		810
	Assessment <Assmnt>	[0..*]			810
	Type <Tp>	[1..1]	CodeSet		811
	Assigner <Assgnr>	[1..*]	Text		811
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		811
	ExpirationDate <XprtnDt>	[0..1]	DateTime		811
	Number <Nb>	[1..1]	Text		811
	Package <Packg>	[0..*]			812
	PackageIdentification <PackgId>	[0..1]	±		812
	PackageLength <PackgLngh>	[0..1]	Quantity		812
	OffsetStart <OffsetStart>	[0..1]	Quantity		812
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		813
	PackageBlock <PackgBlck>	[0..*]			813
	Identification <Id>	[1..1]	Text		813
	Value <Val>	[0..1]	Binary		813
	ProtectedValue <PrctcdVal>	[0..1]	±		813
	Type <Tp>	[0..1]	Text		814

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 819 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		819
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		820
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		820
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		821
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		821
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		821
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		821
	MessageCapabilities <MsgCpblties>	[0..*]			821
	Destination <Dstn>	[1..*]	CodeSet		822
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		822
	NumberOfLines <NbOfLines>	[0..1]	Quantity		822
	LineWidth <LineWidth>	[0..1]	Quantity		822
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	823

7.4.2.4.4 OutputDisplay <OutptDisp>

Presence: [0..1]

Definition: Message to be displayed.

OutputDisplay <OutptDisp> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

7.4.2.5 DiagnosisResponse <DgnssRspn>

Presence: [0..1]

Definition: Content of the Diagnosis Response message.

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

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

7.4.2.5.1 LoggedSaleIdentification <LggdSaleId>

Presence: [0..*]

Definition: Sale Terminal logged to.

Datatype: "Max35Text" on page 981

7.4.2.5.2 POIStatus <POISts>

Presence: [0..1]

Definition: Status of the POI.

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

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

7.4.2.5.2.1 POICapabilities <POICpblties>

Presence: [0..1]

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

POICapabilities <POICpblties> contains the following elements (see "PointOfInteractionCapabilities9" on page 819 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		819
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		820
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		820
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		821
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		821
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		821
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		821
	MessageCapabilities <MsgCpblties>	[0..*]			821
	Destination <Dstn>	[1..*]	CodeSet		822
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		822
	NumberOfLines <NbOfLines>	[0..1]	Quantity		822
	LineWidth <LineWidth>	[0..1]	Quantity		822
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	823

7.4.2.5.2.2 POIComponent <POICmpnt>

Presence: [0..*]

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

POIComponent <POICmpnt> contains the following elements (see "PointOfInteractionComponent12" on page 797 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		799
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		800
	Identification <Id>	[1..1]			801
	ItemNumber <ItmNb>	[0..1]	Text		801
	ProviderIdentification <PrvdrlId>	[0..1]	Text		801
	Identification <Id>	[0..1]	Text		801
	SerialNumber <SrlNb>	[0..1]	Text		801
	Status <Sts>	[0..1]			801
	VersionNumber <VrsnNb>	[0..1]	Text		802
	Status <Sts>	[0..1]	CodeSet		802
	ExpiryDate <XpryDt>	[0..1]	Date		802
	StandardCompliance <StdCmplc>	[0..*]			802
	Identification <Id>	[1..1]	Text		802
	Version <Vrsn>	[1..1]	Text		803
	Issuer <Issr>	[1..1]	Text		803
	Characteristics <Chrtcs>	[0..1]			803
	Memory <Mmry>	[0..*]			804
	Identification <Id>	[1..1]	Text		805
	TotalSize <TtlSz>	[1..1]	Quantity		805
	FreeSize <FreeSz>	[1..1]	Quantity		805
	Unit <Unit>	[1..1]	CodeSet		805
	Communication <Com>	[0..*]			805
	CommunicationType <ComTp>	[1..1]	CodeSet		806
	RemoteParty <RmotPty>	[1..*]	CodeSet		807
	Active <Actv>	[1..1]	Indicator		807
	Parameters <Params>	[0..1]	±		807
	PhysicalInterface <PhysIntrfc>	[0..1]			808
	InterfaceName <IntrfcNm>	[1..1]	Text		808
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		808
	UserName <UsrNm>	[0..1]	Text		809

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		809
	SecurityProfile <SctyPrfl>	[0..1]	Text		809
	AdditionalParameters <AddtlParams>	[0..1]	Binary		809
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		810
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		810
	SecurityElement <SctyElmt>	[0..*]	±		810
	Assessment <Assmnt>	[0..*]			810
	Type <Tp>	[1..1]	CodeSet		811
	Assigner <Assgnr>	[1..*]	Text		811
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		811
	ExpirationDate <XprtnDt>	[0..1]	DateTime		811
	Number <Nb>	[1..1]	Text		811
	Package <Packg>	[0..*]			812
	PackageIdentification <PackgId>	[0..1]	±		812
	PackageLength <PackgLngh>	[0..1]	Quantity		812
	OffsetStart <OffsetStart>	[0..1]	Quantity		812
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		813
	PackageBlock <PackgBlck>	[0..*]			813
	Identification <Id>	[1..1]	Text		813
	Value <Val>	[0..1]	Binary		813
	ProtectedValue <PrctcdVal>	[0..1]	±		813
	Type <Tp>	[0..1]	Text		814

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 981

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 920

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 974

7.4.2.5.2.6 DataSetRequired <DataSetReqrd>

Presence: [0..*]

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

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

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

7.4.2.5.2.6.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the required data set.

Identification <Id> contains the following elements (see "DataSetIdentification9" on page 715 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		715
	Type <Tp>	[1..1]	CodeSet		715
	Version <Vrsn>	[0..1]	Text		717
	CreationDateTime <CreDtTm>	[0..1]	DateTime		717

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 909

7.4.2.5.2.6.3 TMChallenge <TMChllng>

Presence: [0..1]

Definition: Terminal manager challenge for cryptographic key injection.

Datatype: "Max140Binary" on page 909

7.4.2.5.2.6.4 SessionKey <SsnKey>

Presence: [0..1]

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

SessionKey <SsnKey> contains the following elements (see "CryptographicKey16" on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		882
	AdditionalIdentification <AddtlId>	[0..1]	Binary		882
	Name <Nm>	[0..1]	Text		882
	SecurityProfile <SctyPrfl>	[0..1]	Text		883
	ItemNumber <ItmNb>	[0..1]	Text		883
	Version <Vrsn>	[1..1]	Text		883
	Type <Tp>	[0..1]	CodeSet		883
	Function <Fctn>	[0..*]	CodeSet		884
	ActivationDate <ActvtnDt>	[0..1]	DateTime		884
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		884
	KeyValue <KeyVal>	[0..1]	±		885
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		885
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			885
	Name <Nm>	[1..1]	Text		885
	Value <Val>	[0..1]	Text		885

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 910

7.4.2.5.2.6.6 ProtectedDelegationProof <PrctcdDlgtProof>

Presence: [0..1]

Definition: Protected proof of delegation.

ProtectedDelegationProof <PrtctdDlgtProof> contains the following elements (see "ContentInformationType30" on page 874 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		875
	EnvelopedData <EnvlpdData>	[0..1]	±		875
	AuthenticatedData <AuthntcdData>	[0..1]	±		876
	SignedData <SgndData>	[0..1]	±		877
	DigestedData <DgstdData>	[0..1]	±		878

7.4.2.5.2.7 Event <Evt>

Presence: [0..*]

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

Event <Evt> contains the following elements (see "TMSEvent9" on page 839 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TimeStamp <TmStmp>	[1..1]	DateTime		839
	Result <Rslt>	[1..1]	CodeSet		839
	ActionIdentification <ActnId>	[1..1]			840
	ActionType <ActnTp>	[1..1]	CodeSet		840
	DataSetIdentification <DataSetId>	[0..1]	±		841
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		841
	TerminalManagerIdentification <TermnlMgrld>	[0..1]	Text		841
	DeviceResponse <DvcRspn>	[0..1]	±		841

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 979

7.4.2.5.3 HostStatus <HstSts>

Presence: [0..*]

Definition: State of a Host.

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

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

7.4.2.5.3.1 AcquirerIdentification <AcqrId>

Presence: [1..1]

Definition: Identification of the Acquirer.

Datatype: "Max35Text" on page 981

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 976):

- *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 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

7.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on [page 879](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

8 casp.007.001.04 SaleToPOIAdministrativeRequestV04

8.1 MessageDefinition Functionality

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

Outline

The SaleToPOIAdministrativeRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

8.2 Structure

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

8.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

8.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

8.4.1 Header <Hdr>

Presence: [1..1]

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

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

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

8.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

8.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

8.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

8.4.2 AdministrativeRequest <AdmstvReq>

Presence: [1..1]

Definition: Information related to the administrative request.

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

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

8.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <CrdhldrId>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <DrvrId>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

8.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

8.4.2.3 AdministrativeServiceIdentification <AdmstvSvcd>

Presence: [0..1]

Definition: Identification of the administrative service to process.

Datatype: "Max20000Text" on page 980

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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

8.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

9 casp.008.001.04 SaleToPOIAdministrativeResponseV04

9.1 MessageDefinition Functionality

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

Outline

The SaleToPOIAdministrativeResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

9.2 Structure

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

9.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

9.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

9.4.1 Header <Hdr>

Presence: [1..1]

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

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

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

9.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

9.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

9.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

9.4.2 AdministrativeResponse <AdmstvRspn>

Presence: [1..1]

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

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

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

9.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BllgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

9.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

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 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

9.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

10 casp.009.001.04 SaleToPOIReportRequestV04

10.1 MessageDefinition Functionality

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

Outline

The SaleToPOIReportRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. ReportRequest

Information related to the report request.

C. SecurityTrailer

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

10.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIRptReq>	[1..1]			
	Header <Hdr>	[1..1]			344
	MessageFunction <MsgFctn>	[1..1]	CodeSet		345
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		346
	ExchangeIdentification <XchgId>	[1..1]	Text		346
	CreationDateTime <CreDtTm>	[1..1]	DateTime		346
	InitiatingParty <InitgPty>	[1..1]	±		346
	RecipientParty <RcptPty>	[0..1]	±		347
	Traceability <Tracblt>	[0..*]	±		348
	ReportRequest <RptReq>	[1..1]			348
	Environment <Envt>	[1..1]	±		349
	Context <Cntxt>	[1..1]	±		355
	ServiceContent <SvcCntt>	[1..1]	CodeSet		358
	ReportTransactionRequest <RptTxReq>	[0..1]			358
	SearchCriteria <SchCrit>	[1..*]			358
	SearchOr <SchOr>	[1..*]			359
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360
	SearchOutputOrder <SchOutptOrdr>	[0..1]			360
	CriteriaOrder <CritOrdr>	[1..*]			360
	Target <Trgt>	[1..1]	Text		360
	DescendingOrder <DscndgOrdr>	[0..1]	Indicator		360
	BlockStart <BlckStart>	[0..1]	Quantity		361
	BlockStop <BlckStop>	[0..1]	Quantity		361
	ReportGetTotalsRequest <RptGetTtlsReq>	[0..1]			361
	TotalDetails <TtlDtls>	[0..1]	CodeSet		361
	TotalFilter <TtlFltr>	[0..1]			362
	POIIdentification <POIID>	[0..1]	Text		362

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		362
	CashierIdentification <CshrlId>	[0..1]	Text		362
	ShiftNumber <ShftNb>	[0..1]	Text		362
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		362
	SupplementaryData <SplmtryData>	[0..*]	±	C5	363
	SecurityTrailer <SctyTrlr>	[0..1]	±		363

10.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

10.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

10.4.1 Header <Hdr>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		345
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		346
	ExchangeIdentification <XchgId>	[1..1]	Text		346
	CreationDateTime <CreDtTm>	[1..1]	DateTime		346
	InitiatingParty <InitgPty>	[1..1]	±		346
	RecipientParty <RcptPty>	[0..1]	±		347
	Traceability <Tracblt>	[0..*]	±		348

10.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

10.4.1.3 Exchangeldentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

10.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

10.4.2 ReportRequest <RptReq>

Presence: [1..1]

Definition: Information related to the report request.

ReportRequest <RptReq> contains the following **ReportRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		349
	Context <Cntxt>	[1..1]	±		355
	ServiceContent <SvcCntt>	[1..1]	CodeSet		358
	ReportTransactionRequest <RptTxReq>	[0..1]			358
	SearchCriteria <SchCrit>	[1..*]			358
	SearchOr <SchOr>	[1..*]			359
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360
	SearchOutputOrder <SchOutputOrdr>	[0..1]			360
	CriteriaOrder <CritOrdr>	[1..*]			360
	Target <Trgt>	[1..1]	Text		360
	DescendingOrder <DscndgOrdr>	[0..1]	Indicator		360
	BlockStart <BlickStart>	[0..1]	Quantity		361
	BlockStop <BlickStop>	[0..1]	Quantity		361
	ReportGetTotalsRequest <RptGetTtlsReq>	[0..1]			361
	TotalDetails <TtlDtls>	[0..1]	CodeSet		361
	TotalFilter <TtlFiltr>	[0..1]			362
	POIIdentification <POIId>	[0..1]	Text		362
	SaleIdentification <SaleId>	[0..1]	Text		362
	CashierIdentification <CshrlId>	[0..1]	Text		362
	ShiftNumber <ShftNb>	[0..1]	Text		362
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		362
	SupplementaryData <SplmtryData>	[0..*]	±	C5	363

10.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

10.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

10.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService6Code" on page 962

CodeName	Name	Definition
RPTQ	AdministrativeReportTransactionRequest	The Sale System requests to the POI System a report on a list of transactions.
RPAQ	AdministrativeReportGetTotalsRequest	The Sale System requests to the POI System a report on the totals figures of the POI system.

10.4.2.4 ReportTransactionRequest <RptTxReq>

Presence: [0..1]

Definition: Content of the Transaction Report Request message.

ReportTransactionRequest <RptTxReq> contains the following **ReportTransactionRequest1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SearchCriteria <SchCrit>	[1..*]			358
	SearchOr <SchOr>	[1..*]			359
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360
	SearchOutputOrder <SchOutputOrdr>	[0..1]			360
	CriteriaOrder <CritOrdr>	[1..*]			360
	Target <Trgt>	[1..1]	Text		360
	DescendingOrder <DscndgOrdr>	[0..1]	Indicator		360
	BlockStart <BlckStart>	[0..1]	Quantity		361
	BlockStop <BlckStop>	[0..1]	Quantity		361

10.4.2.4.1 SearchCriteria <SchCrit>

Presence: [1..*]

Definition: Eligibility parameters for a transaction to be part of transaction report.

SearchCriteria <SchCrit> contains the following **SearchCriteria1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SearchOr <SchOr>	[1..*]			359
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360

10.4.2.4.1.1 SearchOr <SchOr>

Presence: [1..*]

Definition: List of criteria following the OR logic.

SearchOr <SchOr> contains the following **SearchOr1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SearchAnd <SchAnd>	[1..*]			359
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360

10.4.2.4.1.1.1 SearchAnd <SchAnd>

Presence: [1..*]

Definition: List of criteria following the AND logic.

SearchAnd <SchAnd> contains the following **SearchAnd1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Target <Trgt>	[1..1]	Text		359
	Operator <Oprtr>	[1..1]	CodeSet		359
	Value <Val>	[1..1]	Text		360

10.4.2.4.1.1.1.1 Target <Trgt>

Presence: [1..1]

Definition: Identifier of target element.

Datatype: "Max500Text" on page 982

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 946

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 982

10.4.2.4.2 SearchOutputOrder <SchOutptOrdr>

Presence: [0..1]

Definition: Indicates the ordering in which the resulting transaction reports should be returned.

SearchOutputOrder <SchOutptOrdr> contains the following **SearchOutputOrder1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CriteriaOrder <CritOrdr>	[1..*]			360
	Target <Trgt>	[1..1]	Text		360

10.4.2.4.2.1 CriteriaOrder <CritOrdr>

Presence: [1..*]

Definition: Ordering criteria for the transaction report.

CriteriaOrder <CritOrdr> contains the following **CriteriaOrder1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Target <Trgt>	[1..1]	Text		360

10.4.2.4.2.1.1 Target <Trgt>

Presence: [1..1]

Definition: Identifier of target element.

Datatype: "Max500Text" on page 982

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 976):

- *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 977

10.4.2.4.5 BlockStop <BlckStop>

Presence: [0..1]

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

Datatype: "PositiveNumber" on page 977

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 <TtlDtIs>	[0..1]	CodeSet		361
	TotalFilter <TtlFltr>	[0..1]			362
	POIIdentification <POIID>	[0..1]	Text		362
	SaleIdentification <SaleId>	[0..1]	Text		362
	CashierIdentification <CshrlId>	[0..1]	Text		362
	ShiftNumber <ShftNb>	[0..1]	Text		362
	TotalsGroupIdentification <TtlsGrpld>	[0..1]	Text		362

10.4.2.5.1 TotalDetails <TtlDtIs>

Presence: [0..1]

Definition: Indicates the hierarchical structure of the report.

Datatype: "TotalDetails1Code" on page 969

CodeName	Name	Definition
OPID	PerCashierIdentification	Give the totals result per Operator Identification value.
PIID	PerPOIIdentification	Give the totals result per POI Identification value.
TGID	PerTotalsGroup	Give the totals result per Totals Group Identification value.

CodeName	Name	Definition
SNID	PerShiftNumber	Give the totals result per Shift Number Identification value.
SAID	PerSaleIdentification	Give the totals result per Sale Identification value.

10.4.2.5.2 TotalFilter <TtIFltr>

Presence: [0..1]

Definition: Filter to compute the totals.

TotalFilter <TtIFltr> contains the following **TotalFilter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIIdentification <POIId>	[0..1]	Text		362
	SaleIdentification <SaleId>	[0..1]	Text		362
	CashierIdentification <CshrlId>	[0..1]	Text		362
	ShiftNumber <ShftNb>	[0..1]	Text		362
	TotalsGroupIdentification <TtlsGrpId>	[0..1]	Text		362

10.4.2.5.2.1 POIIdentification <POIId>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 981

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 981

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 981

10.4.2.5.2.4 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max35Text" on page 981

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 981

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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

10.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

11 casp.010.001.04 SaleToPOIReportResponseV04

11.1 MessageDefinition Functionality

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

Outline

The SaleToPOIReportResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

11.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIRptRspn>	[1..1]			
	Header <Hdr>	[1..1]			368
	MessageFunction <MsgFctn>	[1..1]	CodeSet		368
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		369
	ExchangeIdentification <XchgId>	[1..1]	Text		369
	CreationDateTime <CreDtTm>	[1..1]	DateTime		370
	InitiatingParty <InitgPty>	[1..1]	±		370
	RecipientParty <RcptPty>	[0..1]	±		370
	Traceability <Tracblt>	[0..*]	±		371
	ReportResponse <RptRspn>	[1..1]			371
	Environment <Envt>	[1..1]	±		374
	Context <Cntxt>	[1..1]	±		380
	ServiceContent <SvcCntt>	[1..1]	CodeSet		383
	ReportTransactionResponse <RptTxRspn>	[0..1]			383
	ReportFullSize <RptFullSz>	[1..1]	Quantity		385
	BlockStart <BlckStart>	[1..1]	Quantity		385
	BlockStop <BlckStop>	[1..1]	Quantity		385
	TransactionReport <TxRpt>	[0..*]			385
	Response <Rspn>	[1..1]	±		386
	PaymentResponse <PmtRspn>	[0..1]			387
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcncldId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LltyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396
	SaleItemRebate <SaleitmRbt>	[0..*]			396
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397
	CustomerOrder <CstmrOrd>	[0..*]	±		397
	ReportGetTotalsResponse <RptGetTtlsRspn>	[0..1]			398
	POIReconciliationIdentification <POIRcncltnId>	[1..1]	Text		400
	TransactionTotalsSet <TxTtlsSet>	[0..*]			400
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		402
	AcquirerIdentification <Acqrrld>	[0..1]	Text		402
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		402
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		402
	Brand <Brnd>	[0..1]	Text		402
	POIIdentification <POIID>	[0..1]	Text		402
	SaleIdentification <SaleId>	[0..1]	Text		403
	CashierIdentification <CshrlId>	[0..1]	Text		403
	ShiftNumber <ShftNb>	[0..1]	Text		403
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			403
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <Regldr>	[1..1]	Text		404
	TransactionTotal <TxTtl>	[1..1]			404
	POIGroupIdentification <POIGrpld>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtldAmt>	[0..1]	±		405
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			406
	POIGroupIdentification <POIGrpld>	[0..1]	Text		406
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408
	DetailedAmount <DtldAmt>	[0..1]	±		408
	Response <Rspn>	[1..1]	±		408
	SupplementaryData <SplmtryData>	[0..*]	±	C5	408
	SecurityTrailer <SctyTrlr>	[0..1]	±		409

11.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

C7 ValidationByTable

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

11.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

11.4.1 Header <Hdr>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		368
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		369
	ExchangeIdentification <XchgId>	[1..1]	Text		369
	CreationDateTime <CreDtTm>	[1..1]	DateTime		370
	InitiatingParty <InitgPty>	[1..1]	±		370
	RecipientParty <RcptPty>	[0..1]	±		370
	Traceability <Tracblt>	[0..*]	±		371

11.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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

11.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 982

11.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

11.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

11.4.2 ReportResponse <RptRspn>

Presence: [1..1]

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

ReportResponse <RptRspn> contains the following **ReportResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		374
	Context <Cntxt>	[1..1]	±		380
	ServiceContent <SvcCntt>	[1..1]	CodeSet		383
	ReportTransactionResponse <RptTxRspn>	[0..1]			383
	ReportFullSize <RptFullSz>	[1..1]	Quantity		385
	BlockStart <BlckStart>	[1..1]	Quantity		385
	BlockStop <BlckStop>	[1..1]	Quantity		385
	TransactionReport <TxRpt>	[0..*]			385
	Response <Rspn>	[1..1]	±		386
	PaymentResponse <PmtRspn>	[0..1]			387
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LltyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvICd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItemRebate <SaleitmRbt>	[0..*]			396
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397
	CustomerOrder <CstmrOrd>	[0..*]	±		397
	ReportGetTotalsResponse <RptGetTtlsRspn>	[0..1]			398
	POIReconciliationIdentification <POIRcncltnld>	[1..1]	Text		400
	TransactionTotalsSet <TxTtlsSet>	[0..*]			400
	PaymentInstrumentType <PmtlnstrmTp>	[1..1]	CodeSet		402
	AcquirerIdentification <Acqrrld>	[0..1]	Text		402
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		402
	SaleReconciliationIdentification <SaleRcncltnld>	[0..1]	Text		402
	Brand <Brnd>	[0..1]	Text		402
	POIIdentification <POIld>	[0..1]	Text		402
	SaleIdentification <Saleld>	[0..1]	Text		403
	CashierIdentification <Cshrlld>	[0..1]	Text		403
	ShiftNumber <ShftNb>	[0..1]	Text		403
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			403
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <Regdldr>	[1..1]	Text		404
	TransactionTotal <TxTtl>	[1..1]			404
	POIGroupIdentification <POIGrpld>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtldAmt>	[0..1]	±		405
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			406

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIGroupIdentification <POIGrpId>	[0..1]	Text		406
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408
	DetailedAmount <DtldAmt>	[0..1]	±		408
	Response <Rspn>	[1..1]	±		408
	SupplementaryData <SplmtryData>	[0..*]	±	C5	408

11.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BllgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

11.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

11.4.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService7Code" on page 962

CodeName	Name	Definition
RPTP	AdministrativeReportTransactionResponse	The POI System responds to a transaction report request.
RPAP	AdministrativeReportGetTotalsResponse	The POI System responds to a totals figures request.

11.4.2.4 ReportTransactionResponse <RptTxRspn>

Presence: [0..1]

Definition: Content of the Transaction Report Response message.

ReportTransactionResponse <RptTxRspn> contains the following **ReportTransactionResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReportFullSize <RptFullSz>	[1..1]	Quantity		385
	BlockStart <BlckStart>	[1..1]	Quantity		385
	BlockStop <BlckStop>	[1..1]	Quantity		385
	TransactionReport <TxRpt>	[0..*]			385
	Response <Rspn>	[1..1]	±		386
	PaymentResponse <PmtRspn>	[0..1]			387
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LltyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396
	SaleItemRebate <SaleitmRbt>	[0..*]			396
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..*]	±		397

11.4.2.4.1 ReportFullSize <RptFullSz>

Presence: [1..1]

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

Datatype: "PositiveNumber" on page 977

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 977

11.4.2.4.3 BlockStop <BlckStop>

Presence: [1..1]

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

Datatype: "PositiveNumber" on page 977

11.4.2.4.4 TransactionReport <TxRpt>

Presence: [0..*]

Definition: List of Transaction Report containing one Transaction Report for each transaction matching the Search criteria. This list may be partial according to requested block.

TransactionReport <TxRpt> contains the following **PointOfInteractionTransactionReport4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	±		386
	PaymentResponse <PmtRspn>	[0..1]			387
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LtyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLabl>	[0..1]	Text		396
	SaleItemRebate <SaleItmRbt>	[0..*]			396
	SaleItem <SaleItm>	[1..1]	±		396
	RebateLabel <RbtLabl>	[0..1]	Text		397
	CustomerOrder <CstmrOrdr>	[0..*]	±		397

11.4.2.4.4.1 Response <Rspn>

Presence: [1..1]

Definition: Response for this specific transaction.

Response <Rspn> contains the following elements (see "ResponseType11" on page 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

11.4.2.4.4.2 PaymentResponse <PmtRspn>

Presence: [0..1]

Definition: Data responded to a Payment request.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		388
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		389
	POITransactionIdentification <POITxId>	[1..1]	±		389
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		389
	IssuerReferenceData <IssrRefData>	[0..1]	Text		389
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		389
	PaymentReceipt <PmtRct>	[0..*]	±		392
	LoyaltyResult <LltyRslt>	[0..*]			392
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLabl>	[0..1]	Text		396
	SaleItemRebate <SaleitmRbt>	[0..*]			396
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLabl>	[0..1]	Text		397
	CustomerOrder <CstmrOrd>	[0..*]	±		397

11.4.2.4.4.2.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

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

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

11.4.2.4.4.2.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

11.4.2.4.4.2.3 POITransactionIdentification <POITxId>

Presence: [1..1]

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

POITransactionIdentification <POITxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

11.4.2.4.4.2.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

11.4.2.4.4.2.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: "Max140Text" on page 979

11.4.2.4.4.2.6 RetailerPaymentResult <RtlrPmtRslt>

Presence: [1..1]

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

RetailerPaymentResult <RtlrPmtRslt> contains the following elements (see
"RetailerPaymentResult4" on page 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		678
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		679
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		679
	RequestedTransaction <ReqdTxx>	[0..1]	±		680
	TransactionResponse <TxRspn>	[0..1]			684
	AuthorisationResult <AuthstnRslt>	[1..1]			687
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		687
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			687
	Response <Rspn>	[1..1]	CodeSet		688
	ResponseReason <RspnRsn>	[0..1]	Text		688
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		688
	AuthorisationCode <AuthstnCd>	[0..1]	Text		688
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		688
	TMSTrigger <TMSTrggr>	[0..1]			689
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		689
	TMSIdentification <TMSId>	[0..1]	Text		689
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		689
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			689
	Method <Mtd>	[1..1]	CodeSet		690
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		691
	Result <Rslt>	[0..1]	CodeSet		691
	AdditionalResult <AddtlRslt>	[0..1]	Text		691
	AllowedProductCode <AllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		693

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		693
	AmountLimit <AmtLmt>	[0..1]	Amount		693
	QuantityLimit <QtyLmt>	[0..1]	Quantity		693
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		693
	Balance <Bal>	[0..1]	±		695
	ProtectedBalance <PrtctdBal>	[0..1]	±		695
	Action <Actn>	[0..*]			696
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]	±		697
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			697
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		698
	TargetCurrency <TrgtCcy>	[1..1]			699
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	699
	NumericCode <NmrcCd>	[1..1]	Text		699
	Decimal <Dcml>	[1..1]	Quantity		699
	Name <Nm>	[0..1]	Text		699
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		700
	ExchangeRate <XchgRate>	[1..1]	Rate		700
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		700
	QuotationDate <QtnDt>	[0..1]	DateTime		700
	ValidUntil <VldUntil>	[0..1]	DateTime		700
	SourceCurrency <SrcCcy>	[1..1]			700
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	700
	NumericCode <NmrcCd>	[0..1]	Text		701
	Decimal <Dcml>	[0..1]	Quantity		701
	Name <Nm>	[0..1]	Text		701
	OriginalAmount <OrgnlAmt>	[1..1]			701
	ActualAmount <ActlAmt>	[0..1]	Amount		701
	MinimumAmount <MinAmt>	[0..1]	Amount		701
	MaximumAmount <MaxAmt>	[0..1]	Amount		702
	CommissionDetails <ComssnDtls>	[0..*]			702

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		702
	MarkUpDetails <MrkUpDtls>	[0..*]			702
	Rate <Rate>	[1..1]	Rate		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		703
	DeclarationDetails <DclrtDtls>	[0..*]	±		703
	CustomerOrder <CstmrOrd>	[0..*]	±		703
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			704
	ImageFormat <ImgFrmt>	[1..1]	Text		704
	ImageData <ImgData>	[0..1]	Binary		704
	ImageReference <ImgRef>	[0..1]	Text		705
	AdditionalInformation <AddtlInf>	[0..1]	Text		705
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		705
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		705
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	705
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		705

11.4.2.4.4.2.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "PaymentReceipt4" on page 710 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		711
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		711
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		711
	OutputContent <OutptCntt>	[1..1]	±		712

11.4.2.4.4.2.8 LoyaltyResult <LtyRslt>

Presence: [0..*]

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

LoyaltyResult <LtyRslt> contains the following **LoyaltyResult3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Account <Acct>	[1..1]	±		393
	Amount <Amt>	[0..1]			394
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394
	ServerData <SvrData>	[0..1]			394
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvlCd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395
	Rebates <Rbts>	[0..1]			395
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396
	SaleItemRebate <SaleItmRbt>	[0..*]			396
	SaleItem <SaleItm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397

11.4.2.4.4.2.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

11.4.2.4.4.2.8.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Unit <Unit>	[0..1]	CodeSet		394
	Currency <Ccy>	[0..1]	CodeSet	C1	394
	Amount <Amt>	[1..1]	Amount		394

11.4.2.4.4.2.8.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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

11.4.2.4.4.2.8.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

11.4.2.4.4.2.8.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 908

11.4.2.4.4.2.8.3 ServerData <SvrData>

Presence: [0..1]

Definition: Data sent by the Loyalty server.

ServerData <SvrData> contains the following **LoyaltyServerData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		395
	ApprovalCode <ApprvICd>	[0..1]	Text		395
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		395
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		395

11.4.2.4.4.2.8.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 981

11.4.2.4.4.2.8.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

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

Datatype: "Min6Max8Text" on page 984

11.4.2.4.4.2.8.3.3 LoyaltyTransactionIdentification <LtyTxId>

Presence: [0..1]

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

LoyaltyTransactionIdentification <LtyTxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

11.4.2.4.4.2.8.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

11.4.2.4.4.2.8.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalRebate <TtlRbt>	[0..1]	Amount		396
	RebateLabel <RbtLbl>	[0..1]	Text		396
	SaleItemRebate <SaleitmRbt>	[0..*]			396
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397

11.4.2.4.4.2.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

11.4.2.4.4.2.8.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

11.4.2.4.4.2.8.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItem <Saleitm>	[1..1]	±		396
	RebateLabel <RbtLbl>	[0..1]	Text		397

11.4.2.4.4.2.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

11.4.2.4.4.2.8.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

11.4.2.4.4.2.9 CustomerOrder <CstmrOrdr>

Presence: [0..*]

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

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

11.4.2.5 ReportGetTotalsResponse <RptGetTtlsRspn>

Presence: [0..1]

Definition: Content of the Get Totals Response message.

ReportGetTotalsResponse <RptGetTtlsRspn> contains the following **ReportGetTotalsResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[1..1]	Text		400
	TransactionTotalsSet <TxTtlsSet>	[0..*]			400
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		402
	AcquirerIdentification <Acqrrld>	[0..1]	Text		402
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		402
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		402
	Brand <Brnd>	[0..1]	Text		402
	POIIdentification <POIId>	[0..1]	Text		402
	SaleIdentification <SaleId>	[0..1]	Text		403
	CashierIdentification <CshrlId>	[0..1]	Text		403
	ShiftNumber <ShftNb>	[0..1]	Text		403
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			403
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <Regldr>	[1..1]	Text		404
	TransactionTotal <TxTtl>	[1..1]			404
	POIGroupIdentification <POIGrpld>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtldAmt>	[0..1]	±		405
	LoyaltyTransactionTotal <LltyTxTtl>	[0..*]			406
	POIGroupIdentification <POIGrpld>	[0..1]	Text		406
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408
	DetailedAmount <DtldAmt>	[0..1]	±		408

11.4.2.5.1 POIReconciliationIdentification <POIRcncldId>

Presence: [1..1]

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

Datatype: "Max35Text" on page 981

11.4.2.5.2 TransactionTotalsSet <TxTtlsSet>

Presence: [0..*]

Definition: Result of the Sale to POI Totals processing.

TransactionTotalsSet <TxTtlsSet> contains the following **TransactionTotalsSet1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentInstrumentType <PmtInstrmTp>	[1..1]	CodeSet		402
	AcquirerIdentification <Acqrrld>	[0..1]	Text		402
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		402
	SaleReconciliationIdentification <SaleRcncltnld>	[0..1]	Text		402
	Brand <Brnd>	[0..1]	Text		402
	POIIdentification <POIld>	[0..1]	Text		402
	SaleIdentification <Saleld>	[0..1]	Text		403
	CashierIdentification <Cshrlld>	[0..1]	Text		403
	ShiftNumber <ShftNb>	[0..1]	Text		403
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			403
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <Regldr>	[1..1]	Text		404
	TransactionTotal <TxTtl>	[1..1]			404
	POIGroupIdentification <POIGrpld>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtlldAmt>	[0..1]	±		405
	LoyaltyTransactionTotal <LtyTxTtl>	[0..*]			406
	POIGroupIdentification <POIGrpld>	[0..1]	Text		406
	LoyaltyUnit <LtyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DetailedAmount <DtldAmt>	[0..1]	±		408

11.4.2.5.2.1 PaymentInstrumentType <PmtInstrmTp>

Presence: [1..1]

Definition: Type of payment instrument.

Datatype: "PaymentInstrumentType1Code" on page 949

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 <AcqrId>

Presence: [0..1]

Definition: Identification of an Acquirer.

Datatype: "Max35Text" on page 981

11.4.2.5.2.3 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identifier of a host reconciliation period: acquirer for a payment or server for loyalty.

Datatype: "Max35Text" on page 981

11.4.2.5.2.4 SaleReconciliationIdentification <SaleRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period on the sale system.

Datatype: "Max35Text" on page 981

11.4.2.5.2.5 Brand <Brnd>

Presence: [0..1]

Definition: Brand of payment card or loyalty system.

Datatype: "Max35Text" on page 981

11.4.2.5.2.6 POIIdentification <POIId>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 981

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 981

11.4.2.5.2.8 CashierIdentification <CshrlId>

Presence: [0..1]

Definition: Identification of the cashier who carried out the transactions.

Datatype: "Max35Text" on page 981

11.4.2.5.2.9 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max2NumericText" on page 980

11.4.2.5.2.10 SponsoredMerchant <SpnsrdMrchnt>

Presence: [0..*]

Definition: Merchant using the payment services of a payment facilitator, acting as a card acceptor.

SponsoredMerchant <SpnsrdMrchnt> contains the following **Organisation26** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommonName <CmonNm>	[1..1]	Text		403
	Address <Adr>	[0..1]	Text		403
	CountryCode <CtryCd>	[1..1]	CodeSet		403
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		404
	RegisteredIdentifier <RegIdIdr>	[1..1]	Text		404

11.4.2.5.2.10.1 CommonName <CmonNm>

Presence: [1..1]

Definition: Name of the merchant.

Datatype: "Max70Text" on page 982

11.4.2.5.2.10.2 Address <Adr>

Presence: [0..1]

Definition: Location of the merchant.

Datatype: "Max140Text" on page 979

11.4.2.5.2.10.3 CountryCode <CtryCd>

Presence: [1..1]

Definition: Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 941

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 983

11.4.2.5.2.10.5 RegisteredIdentifier <RegldId>

Presence: [1..1]

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

Datatype: "Max35Text" on page 981

11.4.2.5.2.11 TransactionTotal <TxTtl>

Presence: [1..1]

Definition: Payment Transaction totals during the reconciliation period, for a certain type of transaction.

TransactionTotal <TxTtl> contains the following **TransactionTotals8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIGroupIdentification <POIGrpId>	[0..1]	Text		404
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		404
	Currency <Ccy>	[0..1]	CodeSet	C1	404
	Type <Tp>	[1..1]	CodeSet		405
	TotalNumber <TtlNb>	[1..1]	Quantity		405
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		405
	DetailedAmount <DtldAmt>	[0..1]	±		405

11.4.2.5.2.11.1 POIGroupIdentification <POIGrpId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

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 981

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 912

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 971

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 977

11.4.2.5.2.11.6 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 620 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		620
	CashBack <CshBck>	[0..1]	Amount		620
	Gratuity <Grtty>	[0..1]	Amount		620
	Fees <Fees>	[0..*]	±		621
	Rebate <Rbt>	[0..*]	±		621
	ValueAddedTax <ValAddedTax>	[0..*]	±		621
	Surcharge <Srchr>	[0..*]	±		621

11.4.2.5.2.12 LoyaltyTransactionTotal <LltyTxTtl>

Presence: [0..*]

Definition: Loyalty Transaction totals during the reconciliation period, for a certain type of transaction.

LoyaltyTransactionTotal <LltyTxTtl> contains the following **LoyaltyTransactionTotals1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIGroupIdentification <POIGrpld>	[0..1]	Text		406
	LoyaltyUnit <LltyUnit>	[0..1]	CodeSet		406
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	TransactionType <TxTp>	[1..1]	CodeSet		407
	TotalNumber <TtlNb>	[1..1]	Quantity		407
	CumulativeAmount <CmltvAmt>	[1..1]	Amount		408
	DetailedAmount <DtldAmt>	[0..1]	±		408

11.4.2.5.2.12.1 POIGroupIdentification <POIGrpld>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

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 920

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 981

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 912

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 944

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 977

11.4.2.5.2.12.7 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 908

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 620 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		620
	CashBack <CshBck>	[0..1]	Amount		620
	Gratuity <Grtty>	[0..1]	Amount		620
	Fees <Fees>	[0..*]	±		621
	Rebate <Rbt>	[0..*]	±		621
	ValueAddedTax <ValAddedTax>	[0..*]	±		621
	Surcharge <Srchr>	[0..*]	±		621

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 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

11.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: C5 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

11.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

12 casp.011.001.04 SaleToPOIAbortV04

12.1 MessageDefinition Functionality

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

Outline

The SaleToPOIAbortV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. Abort

Information related to an abort request.

C. SecurityTrailer

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

12.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIAbrt>	[1..1]			
	Header <Hdr>	[1..1]			412
	MessageFunction <MsgFctn>	[1..1]	CodeSet		412
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		413
	Exchangeldentification <Xchgld>	[1..1]	Text		413
	CreationDateTime <CreDtTm>	[1..1]	DateTime		414
	InitiatingParty <InitgPty>	[1..1]	±		414
	RecipientParty <RcptPty>	[0..1]	±		414
	Traceability <Tracblt>	[0..*]	±		415
	Abort <Abrt>	[1..1]			415
	Environment <Envt>	[1..1]	±		416
	Context <Cntxt>	[1..1]	±		422
	SystemAbort <SysAbrt>	[1..1]			425
	Exchangeldentification <Xchgld>	[1..1]	Text		425
	AbortReason <AbrtRsn>	[1..1]	Text		425
	DisplayOutput <DispOutpt>	[0..1]	±		425
	TransactionSuccess <TxSucss>	[0..1]	Indicator		426
	SupplementaryData <SplmtryData>	[0..*]	±	C5	426
	SecurityTrailer <SctyTrlr>	[0..1]	±		427

12.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

12.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

12.4.1 Header <Hdr>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		412
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		413
	ExchangeIdentification <XchgId>	[1..1]	Text		413
	CreationDateTime <CreDtTm>	[1..1]	DateTime		414
	InitiatingParty <InitgPty>	[1..1]	±		414
	RecipientParty <RcptPty>	[0..1]	±		414
	Traceability <Tracblt>	[0..*]	±		415

12.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

12.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

12.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

12.4.2 Abort <Abtr>

Presence: [1..1]

Definition: Information related to an abort request.

Abort <Abrt> contains the following **SystemAbort5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		416
	Context <Cntxt>	[1..1]	±		422
	SystemAbort <SysAbrt>	[1..1]			425
	Exchangeldentification <Xchgld>	[1..1]	Text		425
	AbortReason <AbrtRsn>	[1..1]	Text		425
	DisplayOutput <DispOutpt>	[0..1]	±		425
	TransactionSuccess <TxSucss>	[0..1]	Indicator		426
	SupplementaryData <SplmtryData>	[0..*]	±	C5	426

12.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmNrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScsSctyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <CrdhldrId>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <DrvrId>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

12.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlfbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

12.4.2.3 SystemAbort <SysAbtr>

Presence: [1..1]

Definition: Body of the Abort Request message.

SystemAbort <SysAbtr> contains the following **AbortData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		425
	AbortReason <AbtrRsn>	[1..1]	Text		425
	DisplayOutput <DispOutpt>	[0..1]	±		425
	TransactionSuccess <TxSucss>	[0..1]	Indicator		426

12.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Message identifier.

Datatype: "Max35Text" on page 981

12.4.2.3.2 AbortReason <AbtrRsn>

Presence: [1..1]

Definition: Reason of aborting a transaction.

Datatype: "Max140Text" on page 979

12.4.2.3.3 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: To display an abort message to the Customer.

DisplayOutput <DispOutput> contains the following elements (see ["ActionMessage9"](#) on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrCdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrCdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRcdNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

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 976):

- *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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

12.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on [page 879](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

13 casp.012.001.04 SaleToPOIEventNotificationV04

13.1 MessageDefinition Functionality

The SaleToPOIEventNotification message is sent by a POI or a sale terminal to inform the other about the happening of an event.

Outline

The SaleToPOIEventNotificationV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

13.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIEvtNtfctn>	[1..1]			
	Header <Hdr>	[1..1]			430
	MessageFunction <MsgFctn>	[1..1]	CodeSet		431
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		431
	ExchangeIdentification <XchgId>	[1..1]	Text		432
	CreationDateTime <CreDtTm>	[1..1]	DateTime		432
	InitiatingParty <InitgPty>	[1..1]	±		432
	RecipientParty <RcptPty>	[0..1]	±		432
	Traceability <Tracblt>	[0..*]	±		433
	EventNotification <EvtNtfctn>	[1..1]			433
	Environment <Envt>	[1..1]	±		434
	Context <Cntxt>	[1..1]	±		440
	EventNotification <EvtNtfctn>	[1..1]			443
	RetailerEvent <RtlrEvt>	[1..1]			443
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		444
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		444
	EventContext <EvtCntxt>	[0..1]			445
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		450
	MaintenanceRequiredFlag <MntncReqrdFlg>	[0..1]	Indicator		450
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	451
	DisplayOutput <DispOutpt>	[0..1]	±		451
	SupplementaryData <SplmtryData>	[0..*]	±	C5	452
	SecurityTrailer <SctyTrlr>	[0..1]	±		452

13.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

13.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

13.4.1 Header <Hdr>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		431
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		431
	ExchangeIdentification <XchgId>	[1..1]	Text		432
	CreationDateTime <CreDtTm>	[1..1]	DateTime		432
	InitiatingParty <InitgPty>	[1..1]	±		432
	RecipientParty <RcptPty>	[0..1]	±		432
	Traceability <Tracblt>	[0..*]	±		433

13.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

13.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

13.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

13.4.2 EventNotification <EvtNtfctn>

Presence: [1..1]

Definition: Information related to the notification of an event.

EventNotification <EvtNtfctn> contains the following **SystemEventNotification5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		434
	Context <Cntxt>	[1..1]	±		440
	EventNotification <EvtNtfctn>	[1..1]			443
	RetailerEvent <RtlrEvt>	[1..1]			443
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		444
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		444
	EventContext <EvtCntxt>	[0..1]			445
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		450
	MaintenanceRequiredFlag <MntncReqrFlg>	[0..1]	Indicator		450
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	451
	DisplayOutput <DispOutpt>	[0..1]	±		451
	SupplementaryData <SplmtryData>	[0..*]	±	C5	452

13.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <CrdhldrId>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <DrvrId>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

13.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

13.4.2.3 EventNotification <EvtNtfctn>

Presence: [1..1]

Definition: Content of the EventNotification message.

EventNotification <EvtNtfctn> contains the following **EventNotificationData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetailerEvent <RtlrEvt>	[1..1]			443
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		444
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		444
	EventContext <EvtCntxt>	[0..1]			445
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		450
	MaintenanceRequiredFlag <MntncReqrdFlg>	[0..1]	Indicator		450
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	451
	DisplayOutput <DispOutpt>	[0..1]	±		451

13.4.2.3.1 RetailerEvent <RtlrEvt>

Presence: [1..1]

Definition: Content of the Retailer Event message.

RetailerEvent <RtlrEvt> contains the following **RetailerEvent4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EventTimeStamp <EvtTmStmp>	[1..1]	DateTime		444
	EventToNotify <EvtToNtfy>	[1..1]	CodeSet		444
	EventContext <EvtCntxt>	[0..1]			445
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450
	AdditionalEventInformation <AddtlEvtInf>	[0..1]	Text		450

13.4.2.3.1.1 EventTimeStamp <EvtTmStmp>

Presence: [1..1]

Definition: Date and time of the event.

Datatype: "ISODatetime" on page 974

13.4.2.3.1.2 EventToNotify <EvtToNtfy>

Presence: [1..1]

Definition: Event the POI notifies to the Sale System.

Datatype: "EventToNotify2Code" on page 936

CodeName	Name	Definition
ABRT	Abort	One or several device request has been sent by the POI during the processing of a service requested by the Sale System. The processing is cancelled by the Customer or stopped by the POI. If the device response is not received by the POI, an event is sent to inform the Sale to abort internally these device requests.
MAIB	BeginMaintenance	Begin of POI Maintenance.
CRDI	CardInserted	A card is inserted in the card reader (see Input request and NotifyCardInputFlag).
COMP	Completed	An Abort request has been sent to abort a message which is already completed.
CRDR	CardRemoved	A card is removed from the card reader.
CUSL	CustomerLanguage	The customer has selected a different language on the POI.
MAIE	EndMaintenance	End of POI Maintenance.
INIT	Initialised	The POI Terminal or the POI System is now ready to work.
KEYP	KeyPressed	The customer has pressed a specific key on the POI.
MAIR	MaintenanceRequired	Maintenance required by the POI.
OODR	OutOfOrder	The POI Terminal or the POI System cannot work.
SADM	SaleAdmin	The POI has performed, or want to perform an automatic administrative process, e.g. the reports at the end of day.
SWUP	SaleWakeUp	A POI terminal requests the payment of the transaction identified by the content of EventDetails in the Event notification.
SECA	SecurityAlarm	Problem of security.
SHUT	Shutdown	The POI Terminal or the POI System is shutting down.
SASS	StopAssistance	When the Customer assistance is stopped, because the Customer has completed its input.

CodeName	Name	Definition
DISC	Disconnected	A disconnection occurred.
CNTN	Connected	Connection has been set up.
TNOK	TransactionApproved	Transaction has been processed and approved by the POI.
TNKO	TransactionDeclined	Transaction has been processed but has been declined.

13.4.2.3.1.3 EventContext <EvtCntxt>

Presence: [0..1]

Definition: Context of the Event message.

EventContext <EvtCntxt> contains the following **EventContext4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		445
	ComponentIdentification <CmpntId>	[0..1]	±		448
	SaleIdentification <SaleId>	[0..1]	Text		450

13.4.2.3.1.3.1 ServiceType <SvcTp>

Presence: [1..1]

Definition: Reference to the service and functions related to the event.

Datatype: "RetailerService1Code" on page 958

CodeName	Name	Definition
DCAQ	DeviceSendApplicationProtocolDataUnitCardReaderRequest	A service to send commands to a card.
ADAQ	AdministrativeAdminRequest	An administrative request, to select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
ADAP	AdministrativeAdminResponse	The POI System responds to an administrative request.
RPAP	AdministrativeReportGetTotalsResponse	The POI System responds to a totals figures request.
RPAQ	AdministrativeReportGetTotalsRequest	The Sale System requests to the POI System a report on the totals figures of the POI system.
RPTQ	AdministrativeReportTransactionRequest	The Sale System requests to the POI System a report on a list of transactions.
RPTP	AdministrativeReportTransactionResponse	The POI System responds to a transaction report request.
SMDQ	AdministrativeSessionManagementDiagnosisRequest	The Sale System requests a session diagnosis to the POI System.

CodeName	Name	Definition
SMDP	AdministrativeSessionManagementDiagnosisResponse	The POI System responds to a diagnosis request.
SMIQ	AdministrativeSessionManagementLoginRequest	The Sale System requests a login to the POI System.
SMIP	AdministrativeSessionManagementLoginResponse	The POI System responds to a login request.
SMOQ	AdministrativeSessionManagementLogoutRequest	The Sale System requests a logout to the POI System.
SMOP	AdministrativeSessionManagementLogoutResponse	The POI System responds to a logout request.
DDYQ	DeviceDisplayRequest	One System requests the other to display a message for cashier or customer.
DDYP	DeviceDisplayResponse	One system responds to the other system for a display request.
DCIQ	DeviceInitialisationCardReaderRequest	Service to send parameters to use when card reader initializes a new communication with the card.
DCIP	DeviceInitialisationCardReaderResponse	The POI system responds to the Sale System for a card reader initialisation.
DINO	DeviceInputNotification	One system sends a notification to the POI System to update a input request.
DINQ	DeviceInputRequest	One system requests to the other System to get data input.
DINP	DeviceInputResponse	One system responds to the other System for a input request.
DSOQ	DevicePlaySoundRequest	One system requests to the Other System to play a sound.
DSOP	DevicePlaySoundResponse	One system responds to the other System for a play sound request.
DCPQ	DevicePowerOffCardReaderRequest	The Sale system requests to the POI System to power off the card reader.
DCPP	DevicePowerOffCardRequestResponse	The POI system responds to the Sale System for a card reader power off.
DPRQ	DevicePrintRequest	One system requests to the other System to print data.
DPRP	DevicePrintResponse	One system responds to the other System for a print request.
DSIQ	DeviceSecureInputRequest	One system requests to the Other System to securely get data input (e.g. for PIN).
DSIP	DeviceSecureInputResponse	One system responds to the other System for secure data input.
DCAP	DeviceSendApplicationProtocolDataUnitCardReaderResponse	The POI system responds to the Sale System for a card reader Application Protocol Data Unit sending.

CodeName	Name	Definition
DCOQ	DeviceTransmissionMessageRequest	The Sale system requests to the POI System to transmit a message (for instance to a mobile server).
DCOP	DeviceTransmissionMessageResponse	The POI system responds to the Sale System after a message transmission.
FSIQ	FinancialBalanceInquiryRequest	The Sale System requests to the POI System to perform balance inquiry on the main account.
FSIP	FinancialBalanceInquiryResponse	The POI System sends a response to a Balance Inquiry request.
FSBQ	FinancialBatchRequest	The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery).
FSBP	FinancialBatchResponse	The POI System sends a response to a batch processing request.
FSAQ	FinancialCardAcquisitionRequest	The Sale System requests to the POI System to handle a card data acquisition on the card reader.
FSAP	FinancialCardAcquisitionResponse	The POI System sends a response to a card data acquisition request.
FSEQ	FinancialEnableServiceRequest	The Sale System requests to the POI System to enable a service on its side.
FSEP	FinancialEnableServiceResponse	The POI System sends a response after enabling or not some service.
FSLQ	FinancialLoyaltyRequest	The Sale System requests to the POI System a loyalty service like loading or redeem.
FSLP	FinancialLoyaltyResponse	The POI System sends a response to a loyalty processing request.
FSPQ	FinancialPaymentRequest	The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...).
FSPR	FinancialPaymentResponse	The POI System sends a response to a payment request (Purchase/refund/PWCB/MOTO Payment/...).
FSCQ	FinancialReconciliationRequest	The Sale System request to the POI System different kinds of transaction reconciliation.
FSCP	FinancialReconciliationResponse	The POI System sends a response to a reconciliation request.
FSRQ	FinancialReversalRequest	The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service.
FSRP	FinancialReversalResponse	The POI System sends a response to a reversal request.
FSVQ	FinancialStoredValueRequest	The Sale System requests to the POI System to manage a stored value card

CodeName	Name	Definition
		or account (eg. Load, Payment, Reimbursement).
FSVP	FinancialStoredValueResponse	The POI System sends a response to a stored value card or account request.
SSAB	SystemAbort	Abort a former request or message by the sale system.
SSEN	SystemEventNotification	Send an Event notification to the other party.
SSRR	SystemMessageRejection	Send a rejection for a previous message.
SSSQ	SystemMessageStatusRequest	The Sale System requests to the POI System the status of a previous transaction.
SSSP	SystemMessageStatusResponse	The POI System responds to a message status request.

13.4.2.3.1.3.2 ComponentIdentification <CmpntId>

Presence: [0..1]

Definition: Identification of the Point Of Interaction.

ComponentIdentification <CmpntId> contains the following elements (see
"PointOfInteractionComponent12" on page 797 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		799
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		800
	Identification <Id>	[1..1]			801
	ItemNumber <ItmNb>	[0..1]	Text		801
	ProviderIdentification <PrvdrlId>	[0..1]	Text		801
	Identification <Id>	[0..1]	Text		801
	SerialNumber <SrlNb>	[0..1]	Text		801
	Status <Sts>	[0..1]			801
	VersionNumber <VrsnNb>	[0..1]	Text		802
	Status <Sts>	[0..1]	CodeSet		802
	ExpiryDate <XpryDt>	[0..1]	Date		802
	StandardCompliance <StdCmplc>	[0..*]			802
	Identification <Id>	[1..1]	Text		802
	Version <Vrsn>	[1..1]	Text		803
	Issuer <Issr>	[1..1]	Text		803
	Characteristics <Chrtcs>	[0..1]			803
	Memory <Mmry>	[0..*]			804
	Identification <Id>	[1..1]	Text		805
	TotalSize <TtlSz>	[1..1]	Quantity		805
	FreeSize <FreeSz>	[1..1]	Quantity		805
	Unit <Unit>	[1..1]	CodeSet		805
	Communication <Com>	[0..*]			805
	CommunicationType <ComTp>	[1..1]	CodeSet		806
	RemoteParty <RmotPty>	[1..*]	CodeSet		807
	Active <Actv>	[1..1]	Indicator		807
	Parameters <Params>	[0..1]	±		807
	PhysicalInterface <PhysIntrfc>	[0..1]			808
	InterfaceName <IntrfcNm>	[1..1]	Text		808
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		808
	UserName <UsrNm>	[0..1]	Text		809

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		809
	SecurityProfile <SctyPrfl>	[0..1]	Text		809
	AdditionalParameters <AddtlParams>	[0..1]	Binary		809
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		810
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		810
	SecurityElement <SctyElmt>	[0..*]	±		810
	Assessment <Assmnt>	[0..*]			810
	Type <Tp>	[1..1]	CodeSet		811
	Assigner <Assgnr>	[1..*]	Text		811
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		811
	ExpirationDate <XprtnDt>	[0..1]	DateTime		811
	Number <Nb>	[1..1]	Text		811
	Package <Packg>	[0..*]			812
	PackageIdentification <PackgId>	[0..1]	±		812
	PackageLength <PackgLngh>	[0..1]	Quantity		812
	OffsetStart <OffsetStart>	[0..1]	Quantity		812
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		813
	PackageBlock <PackgBlck>	[0..*]			813
	Identification <Id>	[1..1]	Text		813
	Value <Val>	[0..1]	Binary		813
	ProtectedValue <PrctcdVal>	[0..1]	±		813
	Type <Tp>	[0..1]	Text		814

13.4.2.3.1.3.3 SaleIdentification <SaleId>

Presence: [0..1]

Definition: Identification of the Sale System.

Datatype: "Max35Text" on page 981

13.4.2.3.1.4 AdditionalEventInformation <AddtlEvtInf>

Presence: [0..1]

Definition: Additional Information according to the event type.

Datatype: "Max1025Text" on page 978

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 976):

- *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 942

Constraints

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

13.4.2.3.4 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: To display an event message

DisplayOutput <DispOutpt> contains the following elements (see ["ActionMessage9"](#) on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstrn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

13.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

14 casp.014.001.04

SaleToPOIMessageStatusRequestV04

14.1 MessageDefinition Functionality

The SaleToPOIMessageStatusRequest message is sent by a sale system when the sale system wants to know the status of previous message that has not be answered.

Outline

The SaleToPOIMessageStatusRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

14.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIMsgStsReq>	[1..1]			
	Header <Hdr>	[1..1]			455
	MessageFunction <MsgFctn>	[1..1]	CodeSet		455
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		456
	Exchangeldentification <Xchgld>	[1..1]	Text		456
	CreationDateTime <CreDtTm>	[1..1]	DateTime		457
	InitiatingParty <InitgPty>	[1..1]	±		457
	RecipientParty <RcptPty>	[0..1]	±		457
	Traceability <Tracblt>	[0..*]	±		458
	StatusRequest <StsReq>	[1..1]			458
	Environment <Envt>	[1..1]	±		459
	Context <Cntxt>	[1..1]	±		465
	MessageStatusRequestData <MsgStsReqData>	[1..1]			468
	Exchangeldentification <Xchgld>	[1..1]	Text		468
	InitiatingParty <InitgPty>	[1..1]	±		468
	ReceiptReprintFlag <RctRprntFlg>	[0..1]	Indicator		469
	DocumentQualifier <DocQlfr>	[0..2]	CodeSet		469
	SupplementaryData <SplmtryData>	[0..*]	±	C5	470
	SecurityTrailer <SctyTrlr>	[0..1]	±		470

14.3 Constraints

C1 ActiveCurrency

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

C2 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.

14.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

14.4.1 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		455
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		456
	ExchangeIdentification <XchgId>	[1..1]	Text		456
	CreationDateTime <CreDtTm>	[1..1]	DateTime		457
	InitiatingParty <InitgPty>	[1..1]	±		457
	RecipientParty <RcptPty>	[0..1]	±		457
	Traceability <Tracblt>	[0..*]	±		458

14.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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.

14.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 982

14.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

14.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

14.4.1.5 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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

14.4.1.6 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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

14.4.1.7 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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

14.4.2 StatusRequest <StsReq>

Presence: [1..1]

Definition: Information related to a status request.

StatusRequest <StsReq> contains the following **MessageStatusRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]	±		459
	Context <Cntxt>	[1..1]	±		465
	MessageStatusRequestData <MsgStsReqData>	[1..1]			468
	ExchangeIdentification <XchgId>	[1..1]	Text		468
	InitiatingParty <InitgPty>	[1..1]	±		468
	ReceiptReprintFlag <RctRprntFlg>	[0..1]	Indicator		469
	DocumentQualifier <DocQlfr>	[0..2]	CodeSet		469
	SupplementaryData <SplmtryData>	[0..*]	±	C5	470

14.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BllgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <CrdhldrId>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <DrvrId>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

14.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

14.4.2.3 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		468
	InitiatingParty <InitgPty>	[1..1]	±		468
	ReceiptReprintFlag <RctRprntFlg>	[0..1]	Indicator		469
	DocumentQualifier <DocQlfr>	[0..2]	CodeSet		469

14.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Transaction identification.

Datatype: "Max35Text" on page 981

14.4.2.3.2 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Initiating Party information.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

14.4.2.3.3 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 976):

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

14.4.2.3.4 DocumentQualifier <DocQlfr>

Presence: [0..2]

Definition: Customer or Cashier Receipt.

Datatype: "[DocumentType7Code](#)" on page 935

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.

14.4.2.4 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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

14.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

15 casp.015.001.04 SaleToPOIMessageStatusResponseV04

15.1 MessageDefinition Functionality

The SaleToPOIMessageStatusResponse message is sent by a POI System to respond to the sale system at a previous message status request.

Outline

The SaleToPOIMessageStatusResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

15.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIMsgStsRspn>	[1..1]			
	Header <Hdr>	[1..1]			476
	MessageFunction <MsgFctn>	[1..1]	CodeSet		476
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		477
	ExchangeIdentification <Xchgld>	[1..1]	Text		477
	CreationDateTime <CreDtTm>	[1..1]	DateTime		478
	InitiatingParty <InitgPty>	[1..1]	±		478
	RecipientParty <RcptPty>	[0..1]	±		478
	Traceability <Tracblt>	[0..*]	±		479
	StatusResponse <StsRspn>	[1..1]			479
	Environment <Envt>	[1..1]	±		483
	Context <Cntxt>	[1..1]	±		489
	MessageStatusResponseData <MsgStsRspnData>	[1..1]			492
	ExchangeIdentification <Xchgld>	[1..1]	Text		496
	InitiatingParty <InitgPty>	[1..1]	±		496
	TransactionResponse <TxRspn>	[1..1]	±		496
	RepeatedLoyaltyResponse <RepeatdLltyRspn>	[0..1]			497
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		498
	POITransactionIdentification <POITxld>	[1..1]	±		498
	POIReconciliationIdentification <POIRcncltnld>	[0..1]	Text		498
	Result <Rslt>	[0..*]			498
	Account <Acct>	[1..1]	±		499
	Amount <Amt>	[0..1]			500
	Unit <Unit>	[0..1]	CodeSet		500
	Currency <Ccy>	[0..1]	CodeSet	C1	500
	Amount <Amt>	[1..1]	Amount		500
	ServerData <SvrData>	[0..1]			500
	LoyaltyServerIdentification <LltySvrld>	[0..1]	Text		501
	ApprovalCode <ApprvlCd>	[0..1]	Text		501
	LoyaltyTransactionIdentification <LltyTxld>	[0..1]	±		501

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		501
	Rebates <Rbts>	[0..1]			501
	TotalRebate <TtlRbt>	[0..1]	Amount		502
	RebateLabel <RbtLbl>	[0..1]	Text		502
	SaleItemRebate <SaleitmRbt>	[0..*]			502
	SaleItem <Saleitm>	[1..1]	±		502
	RebateLabel <RbtLbl>	[0..1]	Text		503
	RepeatedPaymentResponse <RepeatdPmtRspn>	[0..1]			503
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		504
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		505
	POITransactionIdentification <POITxId>	[1..1]	±		505
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		505
	IssuerReferenceData <IssrRefData>	[0..1]	Text		505
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		505
	PaymentReceipt <PmtRct>	[0..*]	±		508
	LoyaltyResult <LtyRslt>	[0..*]			508
	Account <Acct>	[1..1]	±		509
	Amount <Amt>	[0..1]			510
	Unit <Unit>	[0..1]	CodeSet		510
	Currency <Ccy>	[0..1]	CodeSet	C1	510
	Amount <Amt>	[1..1]	Amount		510
	ServerData <SvrData>	[0..1]			510
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		511
	ApprovalCode <ApprvlCd>	[0..1]	Text		511
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		511
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		511
	Rebates <Rbts>	[0..1]			511
	TotalRebate <TtlRbt>	[0..1]	Amount		512
	RebateLabel <RbtLbl>	[0..1]	Text		512
	SaleItemRebate <SaleitmRbt>	[0..*]			512
	SaleItem <Saleitm>	[1..1]	±		512

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RebateLabel <RbtLbl>	[0..1]	Text		513
	CustomerOrder <CstmrOrd>	[0..*]	±		513
	RepeatedReversalResponse <RepeatdRvslRspn>	[0..1]			514
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		514
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		515
	POITransactionIdentification <POITxId>	[1..1]	±		515
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		515
	IssuerReferenceData <IssrRefData>	[0..1]	Text		515
	ReversalTransactionResult <RvslTxRslt>	[1..1]			515
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		516
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		516
	CustomerOrder <CstmrOrd>	[0..*]	±		520
	ReversedAmount <RvslAmt>	[0..1]	Amount		521
	Receipt <Rct>	[0..*]	±		521
	RepeatedStoredValueResponse <RepeatdStordValRspn>	[0..1]			521
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		522
	POITransactionIdentification <POITxId>	[1..1]	±		523
	Result <Rslt>	[0..*]			523
	Provider <Prvdr>	[0..1]	Text		524
	TransactionType <TxTp>	[1..1]	CodeSet		524
	AccountIdentification <AcctId>	[0..1]			525
	AccountType <AcctTp>	[0..1]	CodeSet		525
	IdentificationType <IdTp>	[0..1]	CodeSet		526
	Identification <Id>	[0..1]	Text		526
	Brand <Brnd>	[0..1]	Text		527
	Provider <Prvdr>	[0..1]	Text		527
	OwnerName <OwnrNm>	[0..1]	Text		527
	ExpiryDate <XpryDt>	[0..1]	Text		527
	EntryMode <NtryMd>	[0..1]	CodeSet		527
	Currency <Ccy>	[0..1]	CodeSet	C1	528
	Balance <Bal>	[0..1]	Amount		528

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		528
	ProductCode <PdctCd>	[0..1]	Text		532
	EANUPC <EANUPC>	[0..1]	Text		533
	ItemAmount <ItmAmt>	[0..1]	Amount		533
	Currency <Ccy>	[0..1]	CodeSet	C1	533
	HostTransactionIdentification <HstTxId>	[0..1]	±		533
	Receipt <Rct>	[0..*]	±		533
	RepeatedCardAcquisitionResponse <RepeatdCardAcqstnRspn>	[0..1]			534
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		534
	POITransactionIdentification <POITxId>	[1..1]	±		534
	PaymentBrand <PmtBrnd>	[0..*]	Text		535
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	535
	LoyaltyAccount <LltyAcct>	[0..*]	±		535
	CustomerOrder <CstmrOrdr>	[0..*]	±		536
	RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RepeatdSndApplPrtcolDataUnitCardRdrRspn>	[0..1]			536
	Data <Data>	[0..1]	Binary		536
	CardStatus <CardSts>	[1..1]	Binary		536
	Response <Rspn>	[1..1]	±		537
	SupplementaryData <SplmtryData>	[0..*]	±	C5	537
	SecurityTrailer <SctyTrlr>	[0..1]	±		537

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.

C7 ValidationByTable

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

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		476
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		477
	ExchangeIdentification <XchgId>	[1..1]	Text		477
	CreationDateTime <CreDtTm>	[1..1]	DateTime		478
	InitiatingParty <InitgPty>	[1..1]	±		478
	RecipientParty <RcptPty>	[0..1]	±		478
	Traceability <Tracblt>	[0..*]	±		479

15.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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.

15.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 982

15.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

15.4.1.4 CreationDate <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

15.4.2 StatusResponse <StsRspn>

Presence: [1..1]

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

StatusResponse <StsRspn> contains the following **MessageStatusResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envnt>	[1..1]	±		483
	Context <Cntxt>	[1..1]	±		489
	MessageStatusResponseData <MsgStsRspnData>	[1..1]			492
	ExchangeIdentification <Xchgld>	[1..1]	Text		496
	InitiatingParty <InitgPty>	[1..1]	±		496
	TransactionResponse <TxRspn>	[1..1]	±		496
	RepeatedLoyaltyResponse <RepeatdLltyRspn>	[0..1]			497
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		498
	POITransactionIdentification <POITxld>	[1..1]	±		498
	POIReconciliationIdentification <POIRcncltnld>	[0..1]	Text		498
	Result <Rslt>	[0..*]			498
	Account <Acct>	[1..1]	±		499
	Amount <Amt>	[0..1]			500
	Unit <Unit>	[0..1]	CodeSet		500
	Currency <Ccy>	[0..1]	CodeSet	C1	500
	Amount <Amt>	[1..1]	Amount		500
	ServerData <SvrData>	[0..1]			500
	LoyaltyServerIdentification <LltySvrld>	[0..1]	Text		501
	ApprovalCode <ApprvICd>	[0..1]	Text		501
	LoyaltyTransactionIdentification <LltyTxld>	[0..1]	±		501
	HostReconciliationIdentification <HstRcncltnld>	[0..1]	Text		501
	Rebates <Rbts>	[0..1]			501
	TotalRebate <TtlRbt>	[0..1]	Amount		502
	RebateLabel <RbtLabl>	[0..1]	Text		502
	SaleItemRebate <SaleitmRbt>	[0..*]			502
	SaleItem <Saleitm>	[1..1]	±		502
	RebateLabel <RbtLabl>	[0..1]	Text		503
	RepeatedPaymentResponse <RepeatdPmtRspn>	[0..1]			503
	SaleTransactionIdentification <SaleTxld>	[1..1]	±		504
	SaleReferenceIdentification <SaleRefld>	[0..1]	Text		505
	POITransactionIdentification <POITxld>	[1..1]	±		505

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		505
	IssuerReferenceData <IssrRefData>	[0..1]	Text		505
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		505
	PaymentReceipt <PmtRct>	[0..*]	±		508
	LoyaltyResult <LltyRslt>	[0..*]			508
	Account <Acct>	[1..1]	±		509
	Amount <Amt>	[0..1]			510
	Unit <Unit>	[0..1]	CodeSet		510
	Currency <Ccy>	[0..1]	CodeSet	C1	510
	Amount <Amt>	[1..1]	Amount		510
	ServerData <SvrData>	[0..1]			510
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		511
	ApprovalCode <ApprvlCd>	[0..1]	Text		511
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		511
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		511
	Rebates <Rbts>	[0..1]			511
	TotalRebate <TtlRbt>	[0..1]	Amount		512
	RebateLabel <RbtLbl>	[0..1]	Text		512
	SaleItemRebate <SaleitmRbt>	[0..*]			512
	SaleItem <Saleitm>	[1..1]	±		512
	RebateLabel <RbtLbl>	[0..1]	Text		513
	CustomerOrder <CstmrOrd>	[0..*]	±		513
	RepeatedReversalResponse <RepeatdRvsIRspn>	[0..1]			514
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		514
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		515
	POITransactionIdentification <POITxId>	[1..1]	±		515
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		515
	IssuerReferenceData <IssrRefData>	[0..1]	Text		515
	ReversalTransactionResult <RvsITxRslt>	[1..1]			515
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		516
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		516

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..*]	±		520
	ReversedAmount <RvsdAmt>	[0..1]	Amount		521
	Receipt <Rct>	[0..*]	±		521
	RepeatedStoredValueResponse <RpeatdStordValRspn>	[0..1]			521
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		522
	POITransactionIdentification <POITxId>	[1..1]	±		523
	Result <Rslt>	[0..*]			523
	Provider <Prvdr>	[0..1]	Text		524
	TransactionType <TxTp>	[1..1]	CodeSet		524
	AccountIdentification <AcctId>	[0..1]			525
	AccountType <AcctTp>	[0..1]	CodeSet		525
	IdentificationType <IdTp>	[0..1]	CodeSet		526
	Identification <Id>	[0..1]	Text		526
	Brand <Brnd>	[0..1]	Text		527
	Provider <Prvdr>	[0..1]	Text		527
	OwnerName <OwnrNm>	[0..1]	Text		527
	ExpiryDate <XpryDt>	[0..1]	Text		527
	EntryMode <NtryMd>	[0..1]	CodeSet		527
	Currency <Ccy>	[0..1]	CodeSet	C1	528
	Balance <Bal>	[0..1]	Amount		528
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		528
	ProductCode <PdctCd>	[0..1]	Text		532
	EANUPC <EANUPC>	[0..1]	Text		533
	ItemAmount <ItmAmt>	[0..1]	Amount		533
	Currency <Ccy>	[0..1]	CodeSet	C1	533
	HostTransactionIdentification <HstTxId>	[0..1]	±		533
	Receipt <Rct>	[0..*]	±		533
	RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn>	[0..1]			534
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		534
	POITransactionIdentification <POITxId>	[1..1]	±		534
	PaymentBrand <PmtBrnd>	[0..*]	Text		535

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	535
	LoyaltyAccount <LltyAcct>	[0..*]	±		535
	CustomerOrder <CstmrOrd>	[0..*]	±		536
	RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RepeatdSndApplPrtcolDataUnitCardRdrRspn>	[0..1]			536
	Data <Data>	[0..1]	Binary		536
	CardStatus <CardSts>	[1..1]	Binary		536
	Response <Rspn>	[1..1]	±		537
	SupplementaryData <SplmtryData>	[0..*]	±	C5	537

15.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment78" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmNrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crdhldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

15.4.2.2 Context <Cntxt>

Presence: [1..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FllbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtedOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

15.4.2.3 MessageStatusResponseData <MsgStsRspnData>

Presence: [1..1]

Definition: Content of the Message status Response.

MessageStatusResponseData <MsgStsRspnData> contains the following
MessageStatusResponseData6 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		496
	InitiatingParty <InitgPty>	[1..1]	±		496
	TransactionResponse <TxRspn>	[1..1]	±		496
	RepeatedLoyaltyResponse <RepeatdLtyRspn>	[0..1]			497
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		498
	POITransactionIdentification <POITxId>	[1..1]	±		498
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		498
	Result <Rslt>	[0..*]			498
	Account <Acct>	[1..1]	±		499
	Amount <Amt>	[0..1]			500
	Unit <Unit>	[0..1]	CodeSet		500
	Currency <Ccy>	[0..1]	CodeSet	C1	500
	Amount <Amt>	[1..1]	Amount		500
	ServerData <SvrData>	[0..1]			500
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		501
	ApprovalCode <ApprvICd>	[0..1]	Text		501
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		501
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		501
	Rebates <Rbts>	[0..1]			501
	TotalRebate <TtlRbt>	[0..1]	Amount		502
	RebateLabel <RbtLbl>	[0..1]	Text		502
	SaleItemRebate <SaleItmRbt>	[0..*]			502
	SaleItem <SaleItm>	[1..1]	±		502
	RebateLabel <RbtLbl>	[0..1]	Text		503
	RepeatedPaymentResponse <RepeatdPmtRspn>	[0..1]			503
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		504
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		505
	POITransactionIdentification <POITxId>	[1..1]	±		505
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		505
	IssuerReferenceData <IssrRefData>	[0..1]	Text		505

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		505
	PaymentReceipt <PmtRct>	[0..*]	±		508
	LoyaltyResult <LltyRslt>	[0..*]			508
	Account <Acct>	[1..1]	±		509
	Amount <Amt>	[0..1]			510
	Unit <Unit>	[0..1]	CodeSet		510
	Currency <Ccy>	[0..1]	CodeSet	C1	510
	Amount <Amt>	[1..1]	Amount		510
	ServerData <SvrData>	[0..1]			510
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		511
	ApprovalCode <ApprvlCd>	[0..1]	Text		511
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		511
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		511
	Rebates <Rbts>	[0..1]			511
	TotalRebate <TtlRbt>	[0..1]	Amount		512
	RebateLabel <RbtLbl>	[0..1]	Text		512
	SaleItemRebate <SaleItmRbt>	[0..*]			512
	SaleItem <SaleItm>	[1..1]	±		512
	RebateLabel <RbtLbl>	[0..1]	Text		513
	CustomerOrder <CstmrOrdr>	[0..*]	±		513
	RepeatedReversalResponse <RpeatdRvslRspn>	[0..1]			514
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		514
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		515
	POITransactionIdentification <POITxId>	[1..1]	±		515
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		515
	IssuerReferenceData <IssrRefData>	[0..1]	Text		515
	ReversalTransactionResult <RvslTxRslt>	[1..1]			515
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		516
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		516
	CustomerOrder <CstmrOrdr>	[0..*]	±		520
	ReversedAmount <RvsdAmt>	[0..1]	Amount		521

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Receipt <Rct>	[0..*]	±		521
	RepeatedStoredValueResponse <RpeatdStordValRspn>	[0..1]			521
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		522
	POITransactionIdentification <POITxId>	[1..1]	±		523
	Result <Rslt>	[0..*]			523
	Provider <Prvdr>	[0..1]	Text		524
	TransactionType <TxTp>	[1..1]	CodeSet		524
	AccountIdentification <AcctId>	[0..1]			525
	AccountType <AcctTp>	[0..1]	CodeSet		525
	IdentificationType <IdTp>	[0..1]	CodeSet		526
	Identification <Id>	[0..1]	Text		526
	Brand <Brnd>	[0..1]	Text		527
	Provider <Prvdr>	[0..1]	Text		527
	OwnerName <OwnrNm>	[0..1]	Text		527
	ExpiryDate <XpryDt>	[0..1]	Text		527
	EntryMode <NtryMd>	[0..1]	CodeSet		527
	Currency <Ccy>	[0..1]	CodeSet	C1	528
	Balance <Bal>	[0..1]	Amount		528
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		528
	ProductCode <PdctCd>	[0..1]	Text		532
	EANUPC <EANUPC>	[0..1]	Text		533
	ItemAmount <ItmAmt>	[0..1]	Amount		533
	Currency <Ccy>	[0..1]	CodeSet	C1	533
	HostTransactionIdentification <HstTxId>	[0..1]	±		533
	Receipt <Rct>	[0..*]	±		533
	RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn>	[0..1]			534
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		534
	POITransactionIdentification <POITxId>	[1..1]	±		534
	PaymentBrand <PmtBrnd>	[0..*]	Text		535
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	535
	LoyaltyAccount <LltyAcct>	[0..*]	±		535

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrder <CstmrOrd>	[0..*]	±		536
	RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RepeatdSndApplPrtcolDataUnitCardRdrRspn>	[0..1]			536
	Data <Data>	[0..1]	Binary		536
	CardStatus <CardSts>	[1..1]	Binary		536

15.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Identification of the requested previous message.

Datatype: "Max35Text" on page 981

15.4.2.3.2 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Party that has initiated the previous message.

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification177" on page 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

15.4.2.3.3 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 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

15.4.2.3.4 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]	±		498
	POITransactionIdentification <POITxId>	[1..1]	±		498
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		498
	Result <Rslt>	[0..*]			498
	Account <Acct>	[1..1]	±		499
	Amount <Amt>	[0..1]			500
	Unit <Unit>	[0..1]	CodeSet		500
	Currency <Ccy>	[0..1]	CodeSet	C1	500
	Amount <Amt>	[1..1]	Amount		500
	ServerData <SvrData>	[0..1]			500
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		501
	ApprovalCode <ApprvlCd>	[0..1]	Text		501
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		501
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		501
	Rebates <Rbts>	[0..1]			501
	TotalRebate <TtlRbt>	[0..1]	Amount		502
	RebateLabel <RbtLabl>	[0..1]	Text		502
	SaleItemRebate <SaleItmRbt>	[0..*]			502
	SaleItem <SaleItm>	[1..1]	±		502
	RebateLabel <RbtLabl>	[0..1]	Text		503

15.4.2.3.4.1 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.4.2 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.4.3 POIRconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.4.4 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]	±		499
	Amount <Amt>	[0..1]			500
	Unit <Unit>	[0..1]	CodeSet		500
	Currency <Ccy>	[0..1]	CodeSet	C1	500
	Amount <Amt>	[1..1]	Amount		500
	ServerData <SvrData>	[0..1]			500
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		501
	ApprovalCode <ApprvlCd>	[0..1]	Text		501
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		501
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		501
	Rebates <Rbts>	[0..1]			501
	TotalRebate <TtlRbt>	[0..1]	Amount		502
	RebateLabel <RbtLbl>	[0..1]	Text		502
	SaleItemRebate <SaleItmRbt>	[0..*]			502
	SaleItem <SaleItm>	[1..1]	±		502
	RebateLabel <RbtLbl>	[0..1]	Text		503

15.4.2.3.4.4.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

15.4.2.3.4.4.2 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		500
	Currency <Ccy>	[0..1]	CodeSet	C1	500
	Amount <Amt>	[1..1]	Amount		500

15.4.2.3.4.4.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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

15.4.2.3.4.4.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

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.

15.4.2.3.4.4.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 908

15.4.2.3.4.4.3 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		501
	ApprovalCode <ApprvICd>	[0..1]	Text		501
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		501
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		501

15.4.2.3.4.4.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 981

15.4.2.3.4.4.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

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

Datatype: "Min6Max8Text" on page 984

15.4.2.3.4.4.3.3 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.4.4.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.4.4.4 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		502
	RebateLabel <RbtLbl>	[0..1]	Text		502
	SaleItemRebate <SaleitmRbt>	[0..*]			502
	SaleItem <Saleitm>	[1..1]	±		502
	RebateLabel <RbtLbl>	[0..1]	Text		503

15.4.2.3.4.4.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

15.4.2.3.4.4.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.4.4.4.3 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]	±		502
	RebateLabel <RbtLbl>	[0..1]	Text		503

15.4.2.3.4.4.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

15.4.2.3.4.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.5 RepeatedPaymentResponse <RepeatdPmtRspn>

Presence: [0..1]

Definition: Content of the requested Payment Message Response.

RepeatedPaymentResponse <RpeatdPmtRspn> contains the following **PaymentResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		504
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		505
	POITransactionIdentification <POITxId>	[1..1]	±		505
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		505
	IssuerReferenceData <IssrRefData>	[0..1]	Text		505
	RetailerPaymentResult <RtlrPmtRslt>	[1..1]	±		505
	PaymentReceipt <PmtRct>	[0..*]	±		508
	LoyaltyResult <LltyRslt>	[0..*]			508
	Account <Acct>	[1..1]	±		509
	Amount <Amt>	[0..1]			510
	Unit <Unit>	[0..1]	CodeSet		510
	Currency <Ccy>	[0..1]	CodeSet	C1	510
	Amount <Amt>	[1..1]	Amount		510
	ServerData <SvrData>	[0..1]			510
	LoyaltyServerIdentification <LltySvrId>	[0..1]	Text		511
	ApprovalCode <ApprvlCd>	[0..1]	Text		511
	LoyaltyTransactionIdentification <LltyTxId>	[0..1]	±		511
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		511
	Rebates <Rbts>	[0..1]			511
	TotalRebate <TtlRbt>	[0..1]	Amount		512
	RebateLabel <RbtLabl>	[0..1]	Text		512
	SaleItemRebate <SaleItmRbt>	[0..*]			512
	SaleItem <SaleItm>	[1..1]	±		512
	RebateLabel <RbtLabl>	[0..1]	Text		513
	CustomerOrder <CstmrOrdr>	[0..*]	±		513

15.4.2.3.5.1 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.5.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.5.3 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.5.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: "Max140Text" on page 979

15.4.2.3.5.6 RetailerPaymentResult <RtlrPmtRsIt>

Presence: [1..1]

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

RetailerPaymentResult <RtlrPmtRslt> contains the following elements (see
"RetailerPaymentResult4" on page 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		678
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		679
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		679
	RequestedTransaction <ReqdTxx>	[0..1]	±		680
	TransactionResponse <TxRspn>	[0..1]			684
	AuthorisationResult <AuthstnRslt>	[1..1]			687
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		687
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			687
	Response <Rspn>	[1..1]	CodeSet		688
	ResponseReason <RspnRsn>	[0..1]	Text		688
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		688
	AuthorisationCode <AuthstnCd>	[0..1]	Text		688
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		688
	TMSTrigger <TMSTrggr>	[0..1]			689
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		689
	TMSIdentification <TMSId>	[0..1]	Text		689
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		689
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			689
	Method <Mtd>	[1..1]	CodeSet		690
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		691
	Result <Rslt>	[0..1]	CodeSet		691
	AdditionalResult <AddtlRslt>	[0..1]	Text		691
	AllowedProductCode <AllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		693

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		693
	AmountLimit <AmtLmt>	[0..1]	Amount		693
	QuantityLimit <QtyLmt>	[0..1]	Quantity		693
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		693
	Balance <Bal>	[0..1]	±		695
	ProtectedBalance <PrtctdBal>	[0..1]	±		695
	Action <Actn>	[0..*]			696
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]	±		697
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			697
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		698
	TargetCurrency <TrgtCcy>	[1..1]			699
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	699
	NumericCode <NmrcCd>	[1..1]	Text		699
	Decimal <Dcml>	[1..1]	Quantity		699
	Name <Nm>	[0..1]	Text		699
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		700
	ExchangeRate <XchgRate>	[1..1]	Rate		700
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		700
	QuotationDate <QtnDt>	[0..1]	DateTime		700
	ValidUntil <VldUntil>	[0..1]	DateTime		700
	SourceCurrency <SrcCcy>	[1..1]			700
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	700
	NumericCode <NmrcCd>	[0..1]	Text		701
	Decimal <Dcml>	[0..1]	Quantity		701
	Name <Nm>	[0..1]	Text		701
	OriginalAmount <OrgnlAmt>	[1..1]			701
	ActualAmount <ActlAmt>	[0..1]	Amount		701
	MinimumAmount <MinAmt>	[0..1]	Amount		701
	MaximumAmount <MaxAmt>	[0..1]	Amount		702
	CommissionDetails <ComssnDtls>	[0..*]			702

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		702
	MarkUpDetails <MrkUpDtls>	[0..*]			702
	Rate <Rate>	[1..1]	Rate		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		703
	DeclarationDetails <Dclrtndtls>	[0..*]	±		703
	CustomerOrder <CstmrOrd>	[0..*]	±		703
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			704
	ImageFormat <ImgFrmt>	[1..1]	Text		704
	ImageData <ImgData>	[0..1]	Binary		704
	ImageReference <ImgRef>	[0..1]	Text		705
	AdditionalInformation <AddtlInf>	[0..1]	Text		705
	ProtectedCapturedSignature <PrtctdCaptrdSgntr>	[0..1]	±		705
	MerchantOverrideFlag <MrchntOvrrdFlg>	[0..1]	Indicator		705
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	705
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		705

15.4.2.3.5.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "PaymentReceipt4" on page 710 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		711
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		711
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		711
	OutputContent <OutptCntt>	[1..1]	±		712

15.4.2.3.5.8 LoyaltyResult <LltyRslt>

Presence: [0..*]

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

LoyaltyResult <LtyRslt> contains the following **LoyaltyResult3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Account <Acct>	[1..1]	±		509
	Amount <Amt>	[0..1]			510
	Unit <Unit>	[0..1]	CodeSet		510
	Currency <Ccy>	[0..1]	CodeSet	C1	510
	Amount <Amt>	[1..1]	Amount		510
	ServerData <SvrData>	[0..1]			510
	LoyaltyServerIdentification <LtySvrId>	[0..1]	Text		511
	ApprovalCode <ApprvlCd>	[0..1]	Text		511
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		511
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		511
	Rebates <Rbts>	[0..1]			511
	TotalRebate <TtlRbt>	[0..1]	Amount		512
	RebateLabel <RbtLbl>	[0..1]	Text		512
	SaleItemRebate <SaleItmRbt>	[0..*]			512
	SaleItem <SaleItm>	[1..1]	±		512
	RebateLabel <RbtLbl>	[0..1]	Text		513

15.4.2.3.5.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

15.4.2.3.5.8.2 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		510
	Currency <Ccy>	[0..1]	CodeSet	C1	510
	Amount <Amt>	[1..1]	Amount		510

15.4.2.3.5.8.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "AmountUnit1Code" on page 920

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

15.4.2.3.5.8.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

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.

15.4.2.3.5.8.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 908

15.4.2.3.5.8.3 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		511
	ApprovalCode <ApprvICd>	[0..1]	Text		511
	LoyaltyTransactionIdentification <LtyTxId>	[0..1]	±		511
	HostReconciliationIdentification <HstRcncltnId>	[0..1]	Text		511

15.4.2.3.5.8.3.1 LoyaltyServerIdentification <LtySvrId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 981

15.4.2.3.5.8.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

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

Datatype: "Min6Max8Text" on page 984

15.4.2.3.5.8.3.3 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.5.8.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.5.8.4 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		512
	RebateLabel <RbtLbl>	[0..1]	Text		512
	SaleItemRebate <SaleitmRbt>	[0..*]			512
	SaleItem <Saleitm>	[1..1]	±		512
	RebateLabel <RbtLbl>	[0..1]	Text		513

15.4.2.3.5.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

15.4.2.3.5.8.4.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.5.8.4.3 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]	±		512
	RebateLabel <RbtLbl>	[0..1]	Text		513

15.4.2.3.5.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

15.4.2.3.5.8.4.3.2 RebateLabel <RbtLbl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.5.9 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 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

15.4.2.3.6 RepeatedReversalResponse <RpeatdRvslRspn>

Presence: [0..1]

Definition: Content of the requested Reversal Message Response.

RepeatedReversalResponse <RpeatdRvslRspn> contains the following **ReversalResponse6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[1..1]	±		514
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		515
	POITransactionIdentification <POITxId>	[1..1]	±		515
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		515
	IssuerReferenceData <IssrRefData>	[0..1]	Text		515
	ReversalTransactionResult <RvslTxRslt>	[1..1]			515
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		516
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		516
	CustomerOrder <CstmrOrd>	[0..*]	±		520
	ReversedAmount <RvsdAmt>	[0..1]	Amount		521
	Receipt <Rct>	[0..*]	±		521

15.4.2.3.6.1 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.6.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 981

15.4.2.3.6.3 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.6.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 981

15.4.2.3.6.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 979

15.4.2.3.6.6 ReversalTransactionResult <RvsITxRsIt>

Presence: [1..1]

Definition: Result of reversal transaction.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	POIReconciliationIdentification <POIRcncltnId>	[0..1]	Text		516
	OriginalPaymentTransaction <OrgnlPmtTx>	[0..1]	±		516
	CustomerOrder <CstmrOrd>	[0..*]	±		520

15.4.2.3.6.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

Datatype: "Max35Text" on page 981

15.4.2.3.6.6.2 OriginalPaymentTransaction <OrgnlPmtTx>

Presence: [0..1]

Definition: Original Transaction if any linked to this reversal.

OriginalPaymentTransaction <OrgnlPmtTx> contains the following elements (see
"CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIID>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <DclrtnDtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

15.4.2.3.6.6.3 CustomerOrder <CstmrOrd>

Presence: [0..*]

Definition: Updated Customer order list after reversal.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

15.4.2.3.6.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 908

15.4.2.3.6.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

Receipt <Rct> contains the following elements (see "[PaymentReceipt4](#)" on page 710 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		711
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		711
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		711
	OutputContent <OutptCntt>	[1..1]	±		712

15.4.2.3.7 RepeatedStoredValueResponse <RepeatdStordValRspn>

Presence: [0..1]

Definition: Content of the requested StoredValue Message Response.

RepeatedStoredValueResponse <RepeatdStordValRspn> contains the following
StoredValueResponse5 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleTransactionIdentification <SaleTxId>	[0..1]	±		522
	POITransactionIdentification <POITxId>	[1..1]	±		523
	Result <RsIt>	[0..*]			523
	Provider <Prvdr>	[0..1]	Text		524
	TransactionType <TxTp>	[1..1]	CodeSet		524
	AccountIdentification <AcctId>	[0..1]			525
	AccountType <AcctTp>	[0..1]	CodeSet		525
	IdentificationType <IdTp>	[0..1]	CodeSet		526
	Identification <Id>	[0..1]	Text		526
	Brand <Brnd>	[0..1]	Text		527
	Provider <Prvdr>	[0..1]	Text		527
	OwnerName <OwnrNm>	[0..1]	Text		527
	ExpiryDate <XpryDt>	[0..1]	Text		527
	EntryMode <NtryMd>	[0..1]	CodeSet		527
	Currency <Ccy>	[0..1]	CodeSet	C1	528
	Balance <Bal>	[0..1]	Amount		528
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		528
	ProductCode <PdctCd>	[0..1]	Text		532
	EANUPC <EANUPC>	[0..1]	Text		533
	ItemAmount <ItmAmt>	[0..1]	Amount		533
	Currency <Ccy>	[0..1]	CodeSet	C1	533
	HostTransactionIdentification <HstTxId>	[0..1]	±		533
	Receipt <Rct>	[0..*]	±		533

15.4.2.3.7.1 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.7.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.7.3 Result <Rslt>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		524
	TransactionType <TxTp>	[1..1]	CodeSet		524
	AccountIdentification <AcctId>	[0..1]			525
	AccountType <AcctTp>	[0..1]	CodeSet		525
	IdentificationType <IdTp>	[0..1]	CodeSet		526
	Identification <Id>	[0..1]	Text		526
	Brand <Brnd>	[0..1]	Text		527
	Provider <Prvdr>	[0..1]	Text		527
	OwnerName <OwnrNm>	[0..1]	Text		527
	ExpiryDate <XpryDt>	[0..1]	Text		527
	EntryMode <NtryMd>	[0..1]	CodeSet		527
	Currency <Ccy>	[0..1]	CodeSet	C1	528
	Balance <Bal>	[0..1]	Amount		528
	OriginalPOITransaction <OrgnlPOITx>	[0..1]	±		528
	ProductCode <PdctCd>	[0..1]	Text		532
	EANUPC <EANUPC>	[0..1]	Text		533
	ItemAmount <ItmAmt>	[0..1]	Amount		533
	Currency <Ccy>	[0..1]	CodeSet	C1	533
	HostTransactionIdentification <HstTxId>	[0..1]	±		533

15.4.2.3.7.3.1 Provider <Prvdr>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

15.4.2.3.7.3.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: "StoredValueTransactionType2Code" on page 967

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.

15.4.2.3.7.3.3 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		525
	IdentificationType <IdTp>	[0..1]	CodeSet		526
	Identification <Id>	[0..1]	Text		526
	Brand <Brnd>	[0..1]	Text		527
	Provider <Prvdr>	[0..1]	Text		527
	OwnerName <OwnrNm>	[0..1]	Text		527
	ExpiryDate <XpryDt>	[0..1]	Text		527
	EntryMode <NtryMd>	[0..1]	CodeSet		527
	Currency <Ccy>	[0..1]	CodeSet	C1	528
	Balance <Bal>	[0..1]	Amount		528

15.4.2.3.7.3.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 966

CodeName	Name	Definition
BNKA	BankPrepaidAccount	Prepaid account managed by a financial institution for low income customers.
CWVC	CarwashVoucher	Car wash specific account.
CPYA	CompanyPrepaidAccount	Specific prepaid account for companies or professionals expenses.

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

15.4.2.3.7.3.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 928

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.

15.4.2.3.7.3.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 981

15.4.2.3.7.3.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 981

15.4.2.3.7.3.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 981

15.4.2.3.7.3.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 981

15.4.2.3.7.3.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 978

15.4.2.3.7.3.3.8 EntryMode <NtryMd>

Presence: [0..1]

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

Datatype: "CardDataReading8Code" on page 926

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.

CodeName	Name	Definition
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

15.4.2.3.7.3.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

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.

15.4.2.3.7.3.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 908

15.4.2.3.7.3.4 OriginalPOITransaction <OrgnIPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnlPOITx> contains the following elements (see
"CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIId>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

15.4.2.3.7.3.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: "Max35Text" on page 981

15.4.2.3.7.3.6 EANUPC <EANUPC>

Presence: [0..1]

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

Datatype: "Max35NumericText" on page 981

15.4.2.3.7.3.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: "ImpliedCurrencyAndAmount" on page 908

15.4.2.3.7.3.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the monetary amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

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.

15.4.2.3.7.3.9 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.7.4 Receipt <Rct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

Receipt <Rct> contains the following elements (see "[PaymentReceipt4](#)" on page 710 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		711
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		711
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		711
	OutputContent <OutptCntt>	[1..1]	±		712

15.4.2.3.8 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]	±		534
	POITransactionIdentification <POITxId>	[1..1]	±		534
	PaymentBrand <PmtBrnd>	[0..*]	Text		535
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	535
	LoyaltyAccount <LtyAcct>	[0..*]	±		535
	CustomerOrder <CstmrOrd>	[0..*]	±		536

15.4.2.3.8.1 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 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.8.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see ["TransactionIdentifier1"](#) on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

15.4.2.3.8.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

Datatype: ["Max35Text"](#) on page 981

15.4.2.3.8.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

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

Datatype: ["LanguageCode"](#) on page 942

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

15.4.2.3.8.5 LoyaltyAccount <LltyAcct>

Presence: [0..*]

Definition: Loyalty account information.

LoyaltyAccount <LltyAcct> contains the following elements (see ["LoyaltyAccount3"](#) on page 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LltyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

15.4.2.3.8.6 CustomerOrder <CstmrOrd>

Presence: [0..*]

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

CustomerOrder <CstmrOrd> contains the following elements (see "CustomerOrder1" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

15.4.2.3.9 RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RpeatdSndAppIprtcolDataUnitCardRdrRspn>

Presence: [0..1]

Definition: Content of the requested SendApplicationProtocolDataUnitCardReader Message Response.

**RepeatedSendApplicationProtocolDataUnitCardReaderResponse
<RpeatdSndAppIprtcolDataUnitCardRdrRspn>** contains the following
DeviceSendApplicationProtocolDataUnitCardReaderResponse1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Data <Data>	[0..1]	Binary		536
	CardStatus <CardSts>	[1..1]	Binary		536

15.4.2.3.9.1 Data <Data>

Presence: [0..1]

Definition: Class field of the Application Protocol Data Unit command (CLA).

Datatype: "Min1Max256Binary" on page 911

15.4.2.3.9.2 CardStatus <CardSts>

Presence: [1..1]

Definition: Status of a smartcard response to a command (SW1-SW2). Reference: ISO 7816-4.

Datatype: "Min1Max256Binary" on page 911

15.4.2.4 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "ResponseType11" on page 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

15.4.2.5 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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- SupplementaryDataRule**

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

15.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

16 casp.016.001.04 SaleToPOIDeviceRequestV04

16.1 MessageDefinition Functionality

The SaleToPOIDeviceRequest message is sent by the sale system to POI system to request a device service.

Outline

The SaleToPOIDeviceRequestV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. DeviceRequest

Information related to a device request.

C. SecurityTrailer

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

16.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIDvcReq>	[1..1]			
	Header <Hdr>	[1..1]			539
	MessageFunction <MsgFctn>	[1..1]	CodeSet		539
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		540
	ExchangeIdentification <XchgId>	[1..1]	Text		541
	CreationDateTime <CreDtTm>	[1..1]	DateTime		541
	InitiatingParty <InitgPty>	[1..1]	±		541
	RecipientParty <RcptPty>	[0..1]	±		541
	Traceability <Tracblt>	[0..*]	±		542
	DeviceRequest <DvcReq>	[1..1]	±		542
	SecurityTrailer <SctyTrlr>	[0..1]	±		545

16.3 Constraints

C1 ActiveCurrency

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

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

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		539
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		540
	ExchangeIdentification <XchgId>	[1..1]	Text		541
	CreationDateTime <CreDtTm>	[1..1]	DateTime		541
	InitiatingParty <InitgPty>	[1..1]	±		541
	RecipientParty <RcptPty>	[0..1]	±		541
	Traceability <Tracblt>	[0..*]	±		542

16.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

16.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

16.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

16.4.2 DeviceRequest <DvcReq>

Presence: [1..1]

Definition: Information related to a device request.

DeviceRequest <DvcReq> contains the following elements (see "DeviceRequest5" on page 554 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		557
	Context <Cntxt>	[0..1]	±		563
	ServiceContent <SvcCntt>	[1..1]	CodeSet		566
	DisplayRequest <DispReq>	[0..1]			566
	DisplayOutput <DispOutpt>	[1..*]	±		566
	InputRequest <InptReq>	[0..1]			567
	DisplayOutput <DispOutpt>	[0..1]	±		568
	InputData <InptData>	[1..1]			569
	DeviceType <DvcTp>	[1..1]	CodeSet		570
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		570
	InputCommand <InptCmd>	[1..1]	CodeSet		571
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		572
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		572
	InputText <InptTxt>	[0..1]	±		572
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		573
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		573
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		573
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		574
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		574
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		574
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		574
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		574
	PrintRequest <PrtReq>	[0..1]			575
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		575
	ResponseMode <RspnMd>	[1..1]	CodeSet		575
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		576
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		576
	OutputContent <OutptCntt>	[1..1]	±		576
	PlayResourceRequest <PlayRsrcReq>	[0..1]			577
	ResponseMode <RspnMd>	[0..1]	CodeSet		578

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResourceAction <RsrcActn>	[1..1]	CodeSet		578
	SoundVolume <SoundVol>	[0..1]	Rate		578
	DisplayResolution <DispRsln>	[0..1]	Text		578
	Resource <Rsrc>	[0..1]			578
	ResourceType <RsrcTp>	[1..1]	CodeSet		579
	ResourceFormat <RsrcFrmt>	[0..1]	CodeSet		579
	Language <Lang>	[0..1]	CodeSet	C6	579
	ResourceReference <RsrcRef>	[0..1]	Text		579
	TimingSlot <TmgSlot>	[0..1]	CodeSet		580
	SecureInputRequest <ScrInptReq>	[0..1]			580
	PINRequestType <PINReqTp>	[1..1]	CodeSet		580
	PINVerificationMethod <PINVrfctnMtd>	[0..1]	Text		581
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		581
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		581
	CardholderPIN <CrhdldrPIN>	[0..1]			581
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		581
	PINFormat <PINFrmt>	[1..1]	CodeSet		582
	AdditionalInput <AddtlInpt>	[0..1]	Text		582
	InitialisationCardReaderRequest <InitlstrCardRdrReq>	[0..1]			582
	WarmResetFlag <WarmRstFlg>	[0..1]	Indicator		583
	ForceEntryMode <ForceNtryMd>	[0..*]	CodeSet		583
	LeaveCardFlag <LeavCardFlg>	[0..1]	Indicator		584
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		584
	DisplayOutput <DispOutpt>	[0..1]	±		584
	CardReaderAPDURequest <CardRdrAPDUReq>	[0..1]			585
	Class <Clss>	[1..1]	Binary		585
	Instruction <Instr>	[1..1]	Binary		585
	Parameter1 <Param1>	[1..1]	Binary		585
	Parameter2 <Param2>	[1..1]	Binary		585
	Data <Data>	[0..1]	Binary		585
	ExpectedLength <XpctdLngth>	[0..1]	Binary		585

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PowerOffCardReaderRequest <PwrOffCardRdrReq>	[0..1]			586
	PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>	[0..1]	Quantity		586
	DisplayOutput <DispOutpt>	[0..1]	±		586
	TransmissionRequest <TrnsmssnReq>	[0..1]			587
	DestinationAddress <DstnAdr>	[1..1]	±		587
	MaximumTransmissionTime <MaxTrnsmssnTm>	[1..1]	Quantity		588
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		588
	MessageToSend <MsgToSnd>	[1..1]	Binary		588
	InputNotification <InptNtfctn>	[0..1]			588
	ExchangeIdentification <Xchgld>	[1..1]	Text		588
	OutputContent <OutptCntt>	[1..1]	±		589
	SupplementaryData <SplmtryData>	[0..*]	±	C5	589

16.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType29](#)" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

17 casp.017.001.04 SaleToPOIDeviceResponseV04

17.1 MessageDefinition Functionality

The SaleToPOIDeviceResponse message is sent by a POI System to sale system to provide result of a device request.

Outline

The SaleToPOIDeviceResponseV04 MessageDefinition is composed of 3 MessageBuildingBlocks:

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

17.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SaleToPOIDvcRspn>	[1..1]			
	Header <Hdr>	[1..1]			547
	MessageFunction <MsgFctn>	[1..1]	CodeSet		547
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		548
	ExchangeIdentification <XchgId>	[1..1]	Text		549
	CreationDateTime <CreDtTm>	[1..1]	DateTime		549
	InitiatingParty <InitgPty>	[1..1]	±		549
	RecipientParty <RcptPty>	[0..1]	±		549
	Traceability <Tracblt>	[0..*]	±		550
	DeviceResponse <DvcRspn>	[1..1]	±		550
	SecurityTrailer <SctyTrlr>	[0..1]	±		552

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		547
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		548
	ExchangeIdentification <XchgId>	[1..1]	Text		549
	CreationDateTime <CreDtTm>	[1..1]	DateTime		549
	InitiatingParty <InitgPty>	[1..1]	±		549
	RecipientParty <RcptPty>	[0..1]	±		549
	Traceability <Tracblt>	[0..*]	±		550

17.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 955

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 982

17.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 981

17.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 974

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

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 837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

17.4.2 DeviceResponse <DvcRspn>

Presence: [1..1]

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

DeviceResponse <DvcRspn> contains the following elements (see "DeviceResponse5" on page 590 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		592
	Context <Cntxt>	[0..1]	±		598
	ServiceContent <SvcCntt>	[1..1]	CodeSet		601
	DisplayResponse <DispRspn>	[0..1]			601
	OutputResult <OutptRslt>	[1..*]			602
	DeviceType <DvcTp>	[1..1]	CodeSet		602
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		602
	Response <Rspn>	[1..1]	±		603
	InputResponse <InptRspn>	[0..1]			603
	OutputResult <OutptRslt>	[0..1]			604
	DeviceType <DvcTp>	[1..1]	CodeSet		604
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		605
	Response <Rspn>	[1..1]	±		606
	InputResult <InptRslt>	[1..1]			606
	DeviceType <DvcTp>	[1..1]	CodeSet		606
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		607
	InputResultData <InptRsltData>	[1..1]			607
	InputCommand <InptCmd>	[1..1]	CodeSet		608
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		609
	FunctionKey <FctnKey>	[0..1]	Quantity		609
	InputMessage <InptMsg>	[0..1]	Text		609
	Password <Pwd>	[0..1]	±		609
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			610
	ImageFormat <ImgFrmt>	[1..1]	Text		610
	ImageData <ImgData>	[0..1]	Binary		610
	ImageReference <ImgRef>	[0..1]	Text		610
	AdditionalInformation <AddtlInf>	[0..1]	Text		610
	PrintResponse <PrtRspn>	[0..1]			610
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		610
	SecureInputResponse <ScrInptRspn>	[0..1]			611

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderPIN <CrdhldrPIN>	[0..1]			611
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		612
	PINFormat <PINFrmt>	[1..1]	CodeSet		612
	AdditionalInput <AddtlInpt>	[0..1]	Text		612
	InitialisationCardReaderResponse <InitlsthCardRdrRspn>	[0..1]			612
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		613
	ICCRResetData <ICCRstData>	[0..1]			613
	ATRValue <ATRVAl>	[0..1]	Binary		614
	CardStatus <CardSts>	[0..1]	Binary		614
	AdditionalInformation <AddtlInf>	[0..1]	Binary		614
	CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>	[0..1]			614
	Data <Data>	[0..1]	Binary		614
	CardStatus <CardSts>	[1..1]	Binary		614
	TransmissionResponse <TrnsmssnRspn>	[0..1]			615
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		615
	Response <Rspn>	[1..1]	±		615
	SupplementaryData <SplmtryData>	[0..*]	±	C5	615

17.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType29" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

18 Message Items Types

18.1 MessageComponents

18.1.1 Acquirer

18.1.1.1 Acquirer10

Definition: Acquirer involved in the card payment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		553
	ParametersVersion <ParamsVrsn>	[0..1]	Text		553

18.1.1.1.1 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 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

18.1.1.1.2 ParametersVersion <ParamsVrsn>

Presence: [0..1]

Definition: Version of the payment acquirer parameters of the POI.

Datatype: "Max256Text" on page 980

18.1.1.2 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		554
	KeyVersion <KeyVrsn>	[1..1]	Text		554
	SequenceNumber <SeqNb>	[0..1]	Quantity		554
	DerivationIdentification <DerivtnId>	[0..1]	Binary		554

18.1.1.2.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 979

18.1.1.2.2 KeyVersion <KeyVrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 979

18.1.1.2.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: "Number" on page 977

18.1.1.2.4 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 910

18.1.2 Action

18.1.2.1 DeviceRequest5

Definition: This component define the environment, the context and the services to be used with this message.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		557
	Context <Cntxt>	[0..1]	±		563
	ServiceContent <SvcCntt>	[1..1]	CodeSet		566
	DisplayRequest <DispReq>	[0..1]			566
	DisplayOutput <DispOutpt>	[1..*]	±		566
	InputRequest <InptReq>	[0..1]			567
	DisplayOutput <DispOutpt>	[0..1]	±		568
	InputData <InptData>	[1..1]			569
	DeviceType <DvcTp>	[1..1]	CodeSet		570
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		570
	InputCommand <InptCmd>	[1..1]	CodeSet		571
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		572
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		572
	InputText <InptTxt>	[0..1]	±		572
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		573
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		573
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		573
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		574
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		574
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		574
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		574
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		574
	PrintRequest <PrtReq>	[0..1]			575
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		575
	ResponseMode <RspnMd>	[1..1]	CodeSet		575
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		576
	RequiredSignatureFlag <ReqrdSgntrFlg>	[0..1]	Indicator		576
	OutputContent <OutptCntt>	[1..1]	±		576
	PlayResourceRequest <PlayRsrcReq>	[0..1]			577
	ResponseMode <RspnMd>	[0..1]	CodeSet		578
	ResourceAction <RsrcActn>	[1..1]	CodeSet		578

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SoundVolume <SoundVol>	[0..1]	Rate		578
	DisplayResolution <DispRsln>	[0..1]	Text		578
	Resource <Rsrc>	[0..1]			578
	ResourceType <RsrcTp>	[1..1]	CodeSet		579
	ResourceFormat <RsrcFrmt>	[0..1]	CodeSet		579
	Language <Lang>	[0..1]	CodeSet	C6	579
	ResourceReference <RsrcRef>	[0..1]	Text		579
	TimingSlot <TmgSlot>	[0..1]	CodeSet		580
	SecureInputRequest <ScrInptReq>	[0..1]			580
	PINRequestType <PINReqTp>	[1..1]	CodeSet		580
	PINVerificationMethod <PINVrfctnMtd>	[0..1]	Text		581
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		581
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		581
	CardholderPIN <CrdhldrPIN>	[0..1]			581
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		581
	PINFormat <PINFrmt>	[1..1]	CodeSet		582
	AdditionalInput <AddtlInpt>	[0..1]	Text		582
	InitialisationCardReaderRequest <InitlstrCardRdrReq>	[0..1]			582
	WarmResetFlag <WarmRstFlg>	[0..1]	Indicator		583
	ForceEntryMode <ForceNtryMd>	[0..*]	CodeSet		583
	LeaveCardFlag <LeavCardFlg>	[0..1]	Indicator		584
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		584
	DisplayOutput <DispOutpt>	[0..1]	±		584
	CardReaderAPDURequest <CardRdrAPDUReq>	[0..1]			585
	Class <Cls>	[1..1]	Binary		585
	Instruction <Instr>	[1..1]	Binary		585
	Parameter1 <Param1>	[1..1]	Binary		585
	Parameter2 <Param2>	[1..1]	Binary		585
	Data <Data>	[0..1]	Binary		585
	ExpectedLength <XpctdLngh>	[0..1]	Binary		585
	PowerOffCardReaderRequest <PwrOffCardRdrReq>	[0..1]			586

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>	[0..1]	Quantity		586
	DisplayOutput <DispOutpt>	[0..1]	±		586
	TransmissionRequest <TrnsmssnReq>	[0..1]			587
	DestinationAddress <DstnAdr>	[1..1]	±		587
	MaximumTransmissionTime <MaxTrnsmssnTm>	[1..1]	Quantity		588
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		588
	MessageToSend <MsgToSnd>	[1..1]	Binary		588
	InputNotification <InptNtfctn>	[0..1]			588
	ExchangeIdentification <Xchgld>	[1..1]	Text		588
	OutputContent <OutptCntt>	[1..1]	±		589
	SupplementaryData <SplmtryData>	[0..*]	±	C5	589

18.1.2.1.1 Environment <Envt>

Presence: [0..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <CrdhldrId>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <DrvrId>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

18.1.2.1.2 Context <Cntxt>

Presence: [0..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrhldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlfbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

18.1.2.1.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService8Code" on page 963

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.

18.1.2.1.4 DisplayRequest <DispReq>

Presence: [0..1]

Definition: Content of the Display Request message.

DisplayRequest <DispReq> contains the following **DeviceDisplayRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DisplayOutput <DispOutpt>	[1..*]	±		566

18.1.2.1.4.1 DisplayOutput <DispOutpt>

Presence: [1..*]

Definition: Message to be displayed.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.2.1.5 InputRequest <InptReq>

Presence: [0..1]

Definition: Content of the Input Request message.

InputRequest <InptReq> contains the following **DeviceInputRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DisplayOutput <DispOutpt>	[0..1]	±		568
	InputData <InptData>	[1..1]			569
	DeviceType <DvcTp>	[1..1]	CodeSet		570
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		570
	InputCommand <InptCmd>	[1..1]	CodeSet		571
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		572
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		572
	InputText <InptTxt>	[0..1]	±		572
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		573
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		573
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		573
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		574
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		574
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		574
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		574
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		574

18.1.2.1.5.1 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Information to display before input.

DisplayOutput <DispOutput> contains the following elements (see "[ActionMessage9](#)" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.2.1.5.2 InputData <InptData>

Presence: [1..1]

Definition: Information related to an Input request.

InputData <InptData> contains the following **InputData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceType <DvcTp>	[1..1]	CodeSet		570
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		570
	InputCommand <InptCmd>	[1..1]	CodeSet		571
	NotifyCardInputFlag <NtfyCardInptFlg>	[1..1]	Indicator		572
	MaximumInputTime <MaxInptTm>	[0..1]	Quantity		572
	InputText <InptTxt>	[0..1]	±		572
	ImmediateResponseFlag <ImdtRspnFlg>	[0..1]	Indicator		573
	WaitUserValidationFlag <WaitUsrVldtnFlg>	[0..1]	Indicator		573
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		573
	GlobalCorrectionFlag <GblCrrctnFlg>	[0..1]	Indicator		574
	DisableCancelFlag <DsblCclFlg>	[0..1]	Indicator		574
	DisableCorrectFlag <DsblCrrctFlg>	[0..1]	Indicator		574
	DisableValidFlag <DsblVldFlg>	[0..1]	Indicator		574
	MenuBackFlag <MenuBckFlg>	[0..1]	Indicator		574

18.1.2.1.5.2.1 DeviceType <DvcTp>

Presence: [1..1]

Definition: Type of logical device located on a Sale Terminal or a POI Terminal.

Datatype: "SaleCapabilities2Code" on page 965

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).

18.1.2.1.5.2.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualification of the information to output to the logical device.

Datatype: "InformationQualify1Code" on page 939

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.

18.1.2.1.5.2.3 InputCommand <InptCmd>

Presence: [1..1]

Definition: Type of requested input.

Datatype: "InputCommand1Code" on page 939

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.

18.1.2.1.5.2.4 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 976):

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

18.1.2.1.5.2.5 MaximumInputTime <MaxInptTm>

Presence: [0..1]

Definition: Maximum input time in seconds.

Datatype: ["Number"](#) on page 977

18.1.2.1.5.2.6 InputText <InptTxt>

Presence: [0..1]

Definition: Text value set for an input command.

InputText <InptTxt> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.2.1.5.2.7 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 976):

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

18.1.2.1.5.2.8 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 976):

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

18.1.2.1.5.2.9 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 976):

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

18.1.2.1.5.2.10 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 976](#)):

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

18.1.2.1.5.2.11 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 976](#)):

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

18.1.2.1.5.2.12 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 976](#)):

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

18.1.2.1.5.2.13 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 976](#)):

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

18.1.2.1.5.2.14 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 976](#)):

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

18.1.2.1.6 PrintRequest <PrtReq>

Presence: [0..1]

Definition: Content of the Print Request message.

PrintRequest <PrtReq> contains the following **DevicePrintRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		575
	ResponseMode <RspnMd>	[1..1]	CodeSet		575
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		576
	RequiredSignatureFlag <ReqrdSgntFlg>	[0..1]	Indicator		576
	OutputContent <OutptCntt>	[1..1]	±		576

18.1.2.1.6.1 DocumentQualifier <DocQlfr>

Presence: [1..1]

Definition: Qualifies the type of document.

Datatype: "DocumentType7Code" on page 935

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.

18.1.2.1.6.2 ResponseMode <RspnMd>

Presence: [1..1]

Definition: Type of awaited response (none, immediate, after printing, after sound).

Datatype: "ResponseMode2Code" on page 955

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.

18.1.2.1.6.3 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 976](#)):

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

18.1.2.1.6.4 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 976](#)):

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

18.1.2.1.6.5 OutputContent <OutptCntt>

Presence: [1..1]

Definition: Content of the message to print.

OutputContent <OutptCntt> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRcdBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRcdVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRcdNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRcdErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.2.1.7 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		578
	ResourceAction <RsrcActn>	[1..1]	CodeSet		578
	SoundVolume <SoundVol>	[0..1]	Rate		578
	DisplayResolution <DispRsln>	[0..1]	Text		578
	Resource <Rsrc>	[0..1]			578
	ResourceType <RsrcTp>	[1..1]	CodeSet		579
	ResourceFormat <RsrcFrmt>	[0..1]	CodeSet		579
	Language <Lang>	[0..1]	CodeSet	C6	579
	ResourceReference <RsrcRef>	[0..1]	Text		579
	TimingSlot <TmgSlot>	[0..1]	CodeSet		580

18.1.2.1.7.1 ResponseMode <RspnMd>

Presence: [0..1]

Definition: Message response awaited by the initiator of the Request.

Datatype: "ResponseMode2Code" on page 955

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.

18.1.2.1.7.2 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 954

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.

18.1.2.1.7.3 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 977

18.1.2.1.7.4 DisplayResolution <DispRsln>

Presence: [0..1]

Definition: Resolution to use.

Datatype: "Max35Text" on page 981

18.1.2.1.7.5 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		579
	ResourceFormat <RsrcFmt>	[0..1]	CodeSet		579
	Language <Lang>	[0..1]	CodeSet	C6	579
	ResourceReference <RsrcRef>	[0..1]	Text		579

18.1.2.1.7.5.1 ResourceType <RsrcTp>

Presence: [1..1]

Definition: Type of media resource.

Datatype: "ResourceType1Code" on page 954

CodeName	Name	Definition
TEXT	TextToSpeech	Voice synthesis.
URLI	UniformResourceIdentifier	String of characters that unambiguously identifies a particular resource.

18.1.2.1.7.5.2 ResourceFormat <RsrcFmt>

Presence: [0..1]

Definition: Format of the media resource;

Datatype: "SoundFormat1Code" on page 966

CodeName	Name	Definition
MSGR	MessageRef	Reference of a preloaded text to play.
SNDR	SoundRef	Preloaded sound File.
TEXT	Text	Text to play.

18.1.2.1.7.5.3 Language <Lang>

Presence: [0..1]

Definition: Language of the media resource.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 942

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

18.1.2.1.7.5.4 ResourceReference <RsrcRef>

Presence: [0..1]

Definition: Reference of a media resource.

Datatype: "Max1025Text" on page 978

18.1.2.1.7.6 TimingSlot <TmgSlot>

Presence: [0..1]

Definition: Identification of the moment to manage the media resource.

Datatype: "ProcessingPosition2Code" on page 953

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.

18.1.2.1.8 SecureInputRequest <ScrInptReq>

Presence: [0..1]

Definition: Request a secure input for a PIN.

SecureInputRequest <ScrInptReq> contains the following **DeviceSecureInputRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PINRequestType <PINReqTp>	[1..1]	CodeSet		580
	PINVerificationMethod <PINVrfctnMtd>	[0..1]	Text		581
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		581
	BeepKeyFlag <BeepKeyFlg>	[0..1]	Indicator		581
	CardholderPIN <CrdhldrPIN>	[0..1]			581
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		581
	PINFormat <PINFrmt>	[1..1]	CodeSet		582
	AdditionalInput <AddtlInpt>	[0..1]	Text		582

18.1.2.1.8.1 PINRequestType <PINReqTp>

Presence: [1..1]

Definition: Type of PIN Service.

Datatype: "PINRequestType1Code" on page 950

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.

18.1.2.1.8.2 PINVerificationMethod <PINVrfctnMtd>

Presence: [0..1]

Definition: Identify the PIN verification method and keys.

Datatype: "Max35Text" on page 981

18.1.2.1.8.3 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Maximum time to wait for the request processing in seconds.

Datatype: "Number" on page 977

18.1.2.1.8.4 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 976):

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

18.1.2.1.8.5 CardholderPIN <CrdhldrPIN>

Presence: [0..1]

Definition: Enciphered PIN and related information.

CardholderPIN <CrdhldrPIN> contains the following **OnLinePIN9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		581
	PINFormat <PINFrmt>	[1..1]	CodeSet		582
	AdditionalInput <AddtlInpt>	[0..1]	Text		582

18.1.2.1.8.5.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBick> contains the following elements (see
"ContentInformationType32" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.2.1.8.5.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 949

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.

18.1.2.1.8.5.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 981

18.1.2.1.9 InitialisationCardReaderRequest <InitlstnCardRdrReq>

Presence: [0..1]

Definition: A service to send parameters to Card Reader to initialize a new communication with a card.

InitialisationCardReaderRequest <InitIstnCardRdrReq> contains the following
DeviceInitialisationCardReaderRequest4 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	WarmResetFlag <WarmRstFlg>	[0..1]	Indicator		583
	ForceEntryMode <ForceNtryMd>	[0..*]	CodeSet		583
	LeaveCardFlag <LeavCardFlg>	[0..1]	Indicator		584
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		584
	DisplayOutput <DispOutpt>	[0..1]	±		584

18.1.2.1.9.1 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 976):

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

18.1.2.1.9.2 ForceEntryMode <ForceNtryMd>

Presence: [0..*]

Definition: Payment instrument entry mode requested by the Sale System.

Datatype: ["CardDataReading8Code"](#) on page 926

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.)

18.1.2.1.9.3 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 976](#)):

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

18.1.2.1.9.4 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Maximum time in seconds that the POI has to wait for a card response.

Datatype: ["Number" on page 977](#)

18.1.2.1.9.5 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Information to display.

DisplayOutput <DispOutpt> contains the following elements (see ["ActionMessage9" on page 792](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstrn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrnd>	[0..1]			794
	BarcodeType <BrndTp>	[1..1]	CodeSet		795
	BarcodeValue <BrndVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.2.1.10 CardReaderAPDURequest <CardRdrAPDUReq>

Presence: [0..1]

Definition: Content of the APDU (Application Protocol Data Unit) to send to the Card.

CardReaderAPDURequest <CardRdrAPDUReq> contains the following
DeviceSendApplicationProtocolDataUnitCardReaderRequest1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Class <Class>	[1..1]	Binary		585
	Instruction <Instr>	[1..1]	Binary		585
	Parameter1 <Param1>	[1..1]	Binary		585
	Parameter2 <Param2>	[1..1]	Binary		585
	Data <Data>	[0..1]	Binary		585
	ExpectedLength <XpctdLngh>	[0..1]	Binary		585

18.1.2.1.10.1 Class <Class>

Presence: [1..1]

Definition: Class field of the Application Protocol Data Unit command (CLA).

Datatype: "Min1Max256Binary" on page 911

18.1.2.1.10.2 Instruction <Instr>

Presence: [1..1]

Definition: Instruction field of the Application Protocol Data Unit command (INS).

Datatype: "Min1Max256Binary" on page 911

18.1.2.1.10.3 Parameter1 <Param1>

Presence: [1..1]

Definition: Parameter 1 field of the Application Protocol Data Unit command

Datatype: "Min1Max256Binary" on page 911

18.1.2.1.10.4 Parameter2 <Param2>

Presence: [1..1]

Definition: Parameter 2 field of the Application Protocol Data Unit command

Datatype: "Min1Max256Binary" on page 911

18.1.2.1.10.5 Data <Data>

Presence: [0..1]

Definition: Data field of the Application Protocol Data Unit command to send including the length.

Datatype: "Min1Max256Binary" on page 911

18.1.2.1.10.6 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 911

18.1.2.1.11 PowerOffCardReaderRequest <PwrOffCardRdrReq>

Presence: [0..1]

Definition: Content of the Power Off Card Reader Request message.

PowerOffCardReaderRequest <PwrOffCardRdrReq> contains the following **DevicePoweroffCardReaderRequest4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>	[0..1]	Quantity		586
	DisplayOutput <DispOutpt>	[0..1]	±		586

18.1.2.1.11.1 PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>

Presence: [0..1]

Definition: Maximum time to wait for the request processing in seconds.

Datatype: "Number" on page 977

18.1.2.1.11.2 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Optional message before Power-Off.

DisplayOutput <DispOutput> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.2.1.12 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]	±		587
	MaximumTransmissionTime <MaxTrnsmssnTm>	[1..1]	Quantity		588
	MaximumWaitingTime <MaxWtgTm>	[0..1]	Quantity		588
	MessageToSend <MsgToSnd>	[1..1]	Binary		588

18.1.2.1.12.1 DestinationAddress <DstnAdr>

Presence: [1..1]

Definition: Transport address.

DestinationAddress <DstnAdr> contains the following elements (see "NetworkParameters7" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			844
	NetworkType <NtwkTp>	[1..1]	CodeSet		844
	AddressValue <AdrVal>	[1..1]	Text		844
	UserName <UsrNm>	[0..1]	Text		844
	AccessCode <AccsCd>	[0..1]	Binary		845
	ServerCertificate <SvrCert>	[0..*]	Binary		845
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		845
	ClientCertificate <ClntCert>	[0..*]	Binary		845
	SecurityProfile <SctyPrfl>	[0..1]	Text		845

18.1.2.1.12.2 MaximumTransmissionTime <MaxTrnsmssnTm>

Presence: [1..1]

Definition: Maximum time in seconds of transmission.

Datatype: "Number" on page 977

18.1.2.1.12.3 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Defines the timeout to receive an answer.

Datatype: "Number" on page 977

18.1.2.1.12.4 MessageToSend <MsgToSnd>

Presence: [1..1]

Definition: Content of the message to be transmitted.

Datatype: "Max100KBinary" on page 909

18.1.2.1.13 InputNotification <InptNtfctn>

Presence: [0..1]

Definition: Content of the Input notification message.

InputNotification <InptNtfctn> contains the following **DeviceInputNotification4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeIdentification <XchgId>	[1..1]	Text		588
	OutputContent <OutptCntt>	[1..1]	±		589

18.1.2.1.13.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Message main identifier.

Datatype: "Max35Text" on page 981

18.1.2.1.13.2 OutputContent <OutptCntt>

Presence: [1..1]

Definition: Updated content of the message to display before input.

OutputContent <OutptCntt> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.2.1.14 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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

18.1.2.2 DeviceResponse5

Definition: This component define the type of Device service to be used with this message.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		592
	Context <Cntxt>	[0..1]	±		598
	ServiceContent <SvcCntt>	[1..1]	CodeSet		601
	DisplayResponse <DispRspn>	[0..1]			601
	OutputResult <OutptRslt>	[1..*]			602
	DeviceType <DvcTp>	[1..1]	CodeSet		602
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		602
	Response <Rspn>	[1..1]	±		603
	InputResponse <InptRspn>	[0..1]			603
	OutputResult <OutptRslt>	[0..1]			604
	DeviceType <DvcTp>	[1..1]	CodeSet		604
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		605
	Response <Rspn>	[1..1]	±		606
	InputResult <InptRslt>	[1..1]			606
	DeviceType <DvcTp>	[1..1]	CodeSet		606
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		607
	InputResultData <InptRsltData>	[1..1]			607
	InputCommand <InptCmd>	[1..1]	CodeSet		608
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		609
	FunctionKey <FctnKey>	[0..1]	Quantity		609
	InputMessage <InptMsg>	[0..1]	Text		609
	Password <Pwd>	[0..1]	±		609
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			610
	ImageFormat <ImgFrmt>	[1..1]	Text		610
	ImageData <ImgData>	[0..1]	Binary		610
	ImageReference <ImgRef>	[0..1]	Text		610
	AdditionalInformation <AddtlInf>	[0..1]	Text		610
	PrintResponse <PrtRspn>	[0..1]			610
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		610
	SecureInputResponse <ScrInptRspn>	[0..1]			611
	CardholderPIN <CrhdldrPIN>	[0..1]			611

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		612
	PINFormat <PINFrmt>	[1..1]	CodeSet		612
	AdditionalInput <AddtlInpt>	[0..1]	Text		612
	InitialisationCardReaderResponse <InitlstnCardRdrRspn>	[0..1]			612
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		613
	ICCRResetData <ICCRstData>	[0..1]			613
	ATRValue <ATRVAl>	[0..1]	Binary		614
	CardStatus <CardSts>	[0..1]	Binary		614
	AdditionalInformation <AddtlInf>	[0..1]	Binary		614
	CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>	[0..1]			614
	Data <Data>	[0..1]	Binary		614
	CardStatus <CardSts>	[1..1]	Binary		614
	TransmissionResponse <TrnsmssnRspn>	[0..1]			615
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		615
	Response <Rspn>	[1..1]	±		615
	SupplementaryData <SplmtryData>	[0..*]	±	C5	615

18.1.2.2.1 Environment <Envt>

Presence: [0..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment78](#)" on page 717 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <GrpId>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crdhldr>	[0..1]			742
	Identification <Id>	[0..1]			746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIScyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BlgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <CrdhldrId>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <DrvrId>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleEnvironment <SaleEnv>	[0..1]			770
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

18.1.2.2.2 Context <Cntxt>

Presence: [0..1]

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

Context <Cntxt> contains the following elements (see "CardPaymentContext29" on page 772 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrdrHldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AtndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AtndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AtndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrlId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

18.1.2.2.3 ServiceContent <SvcCntt>

Presence: [1..1]

Definition: Define the type of service answered.

Datatype: "RetailerService9Code" on page 963

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.

18.1.2.2.4 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..*]			602
	DeviceType <DvcTp>	[1..1]	CodeSet		602
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		602
	Response <Rspn>	[1..1]	±		603

18.1.2.2.4.1 OutputResult <OutputRslt>

Presence: [1..*]

Definition: Give result for display request.

OutputResult <OutputRslt> contains the following **OutputResult2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceType <DvcTp>	[1..1]	CodeSet		602
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		602
	Response <Rspn>	[1..1]	±		603

18.1.2.2.4.1.1 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 973

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.

18.1.2.2.4.1.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualification of the information to sent to an output logical device.

Datatype: "InformationQualify1Code" on page 939

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.

18.1.2.2.4.1.3 Response <Rspn>

Presence: [1..1]

Definition: Gives response for each peripheral.

Response <Rspn> contains the following elements (see "ResponseType11" on page 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

18.1.2.2.5 InputResponse <InptRspn>

Presence: [0..1]

Definition: Content of the Input Response message.

InputResponse <InptRspn> contains the following **DeviceInputResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OutputResult <OutptRslt>	[0..1]			604
	DeviceType <DvcTp>	[1..1]	CodeSet		604
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		605
	Response <Rspn>	[1..1]	±		606
	InputResult <InptRslt>	[1..1]			606
	DeviceType <DvcTp>	[1..1]	CodeSet		606
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		607
	InputResultData <InptRsltData>	[1..1]			607
	InputCommand <InptCmd>	[1..1]	CodeSet		608
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		609
	FunctionKey <FctnKey>	[0..1]	Quantity		609
	InputMessage <InptMsg>	[0..1]	Text		609
	Password <Pwd>	[0..1]	±		609
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			610
	ImageFormat <ImgFrmt>	[1..1]	Text		610
	ImageData <ImgData>	[0..1]	Binary		610
	ImageReference <ImgRef>	[0..1]	Text		610
	AdditionalInformation <AddtlInf>	[0..1]	Text		610

18.1.2.2.5.1 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		604
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		605
	Response <Rspn>	[1..1]	±		606

18.1.2.2.5.1.1 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 973

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.

18.1.2.2.5.1.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualification of the information to sent to an output logical device.

Datatype: "InformationQualify1Code" on page 939

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.

18.1.2.2.5.1.3 Response <Rspn>

Presence: [1..1]

Definition: Gives response for each peripheral.

Response <Rspn> contains the following elements (see "ResponseType11" on page 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

18.1.2.2.5.2 InputResult <InptRsIt>

Presence: [1..1]

Definition: Result of input request.

InputResult <InptRsIt> contains the following **InputResult4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceType <DvcTp>	[1..1]	CodeSet		606
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		607
	InputResultData <InptRsItData>	[1..1]			607
	InputCommand <InptCmd>	[1..1]	CodeSet		608
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		609
	FunctionKey <FctnKey>	[0..1]	Quantity		609
	InputMessage <InptMsg>	[0..1]	Text		609
	Password <Pwd>	[0..1]	±		609
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			610
	ImageFormat <ImgFrmt>	[1..1]	Text		610
	ImageData <ImgData>	[0..1]	Binary		610
	ImageReference <ImgRef>	[0..1]	Text		610
	AdditionalInformation <AddtlInf>	[0..1]	Text		610

18.1.2.2.5.2.1 DeviceType <DvcTp>

Presence: [1..1]

Definition: Type of Input device.

Datatype: "SaleCapabilities2Code" on page 965

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).

18.1.2.2.5.2.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualifies the type of given information.

Datatype: "InformationQualify1Code" on page 939

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.

18.1.2.2.5.2.3 InputResultData <InptRsItData>

Presence: [1..1]

Definition: Data resulting of input after POI or Sale processing.

InputResultData <InptRsltData> contains the following **InputResultData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputCommand <InptCmd>	[1..1]	CodeSet		608
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		609
	FunctionKey <FctnKey>	[0..1]	Quantity		609
	InputMessage <InptMsg>	[0..1]	Text		609
	Password <Pwd>	[0..1]	±		609
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			610
	ImageFormat <ImgFrmt>	[1..1]	Text		610
	ImageData <ImgData>	[0..1]	Binary		610
	ImageReference <ImgRef>	[0..1]	Text		610
	AdditionalInformation <AddtlInf>	[0..1]	Text		610

18.1.2.2.5.2.3.1 InputCommand <InptCmd>

Presence: [1..1]

Definition: Type of processed input.

Datatype: "InputCommand1Code" on page 939

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.

18.1.2.2.5.2.3.2 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 976):

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

18.1.2.2.5.2.3.3 FunctionKey <FctnKey>

Presence: [0..1]

Definition: The number of the function key which is typed by the Customer on the POI system or the Cashier on the Sale System.

Datatype: ["Number"](#) on page 977

18.1.2.2.5.2.3.4 InputMessage <InptMsg>

Presence: [0..1]

Definition: The input text and data given by the POI or the Sale System.

Datatype: ["Max20000Text"](#) on page 980

18.1.2.2.5.2.3.5 Password <Pwd>

Presence: [0..1]

Definition: An enciphered password typed by the Customer on the POI system or the Cashier on the Sale system.

Password <Pwd> contains the following elements (see ["ContentInformationType30"](#) on page 874 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		875
	EnvelopedData <EnvlpdData>	[0..1]	±		875
	AuthenticatedData <AuthntcdData>	[0..1]	±		876
	SignedData <SgndData>	[0..1]	±		877
	DigestedData <DgstdData>	[0..1]	±		878

18.1.2.2.5.2.3.6 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		610
	ImageData <ImgData>	[0..1]	Binary		610
	ImageReference <ImgRef>	[0..1]	Text		610
	AdditionalInformation <AddtlInf>	[0..1]	Text		610

18.1.2.2.5.2.3.6.1 ImageFormat <ImgFrmt>

Presence: [1..1]

Definition: Format of the image.

Datatype: "Max35Text" on page 981

18.1.2.2.5.2.3.6.2 ImageData <ImgData>

Presence: [0..1]

Definition: Data of the image.

Datatype: "Max2MBBinary" on page 910

18.1.2.2.5.2.3.6.3 ImageReference <ImgRef>

Presence: [0..1]

Definition: URL or name of the image.

Datatype: "Max500Text" on page 982

18.1.2.2.5.2.3.6.4 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information for the image.

Datatype: "Max140Text" on page 979

18.1.2.2.6 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		610

18.1.2.2.6.1 DocumentQualifier <DocQlfr>

Presence: [1..1]

Definition: Qualification of the document printed to the Cashier or the Customer.

Datatype: "DocumentType7Code" on page 935

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.

18.1.2.2.7 SecureInputResponse <ScrInptRspn>

Presence: [0..1]

Definition: Response to a secure input request.

SecureInputResponse <ScrInptRspn> contains the following **DeviceSecureInputResponse4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderPIN <CrdhldrPIN>	[0..1]			611
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		612
	PINFormat <PINFrmt>	[1..1]	CodeSet		612
	AdditionalInput <AddtlInpt>	[0..1]	Text		612

18.1.2.2.7.1 CardholderPIN <CrdhldrPIN>

Presence: [0..1]

Definition: Cardholder PIN data when needed.

CardholderPIN <CrdhldrPIN> contains the following **OnLinePIN9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		612
	PINFormat <PINFrmt>	[1..1]	CodeSet		612
	AdditionalInput <AddtlInpt>	[0..1]	Text		612

18.1.2.2.7.1.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see "ContentInformationType32" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.2.2.7.1.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 949

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.

18.1.2.2.7.1.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 981

18.1.2.2.8 InitialisationCardReaderResponse <InitlStnCardRdrRspn>

Presence: [0..1]

Definition: Content received after a card initialisation.

InitialisationCardReaderResponse <InitlStnCardRdrRspn> contains the following
DeviceInitialisationCardReaderResponse2 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		613
	ICCRResetData <ICCRstData>	[0..1]			613
	ATRValue <ATRVa/>	[0..1]	Binary		614
	CardStatus <CardSts>	[0..1]	Binary		614
	AdditionalInformation <AddtlInf>	[0..1]	Binary		614

18.1.2.2.8.1 CardEntryMode <CardNtryMd>

Presence: [0..1]

Definition: Payment instrument entry mode requested by the Sale System.

Datatype: "CardDataReading8Code" on page 926

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.)

18.1.2.2.8.2 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		614
	CardStatus <CardSts>	[0..1]	Binary		614

18.1.2.2.8.2.1 ATRValue <ATRVa>

Presence: [0..1]

Definition: Value of the Answer To Reset of a chip card.

Datatype: "Max140Binary" on page 909

18.1.2.2.8.2.2 CardStatus <CardSts>

Presence: [0..1]

Definition: Status of a smartcard response to a command (SW1-SW2).

Datatype: "Max35Binary" on page 910

18.1.2.2.8.3 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the Device Initialisation Card Reader Response.

Datatype: "Max10000Binary" on page 909

18.1.2.2.9 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		614
	CardStatus <CardSts>	[1..1]	Binary		614

18.1.2.2.9.1 Data <Data>

Presence: [0..1]

Definition: Class field of the Application Protocol Data Unit command (CLA).

Datatype: "Min1Max256Binary" on page 911

18.1.2.2.9.2 CardStatus <CardSts>

Presence: [1..1]

Definition: Status of a smartcard response to a command (SW1-SW2). Reference: ISO 7816-4.

Datatype: "Min1Max256Binary" on page 911

18.1.2.2.10 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		615

18.1.2.2.10.1 ReceivedMessage <RcvdMsg>

Presence: [0..1]

Definition: Content of a transmitted message.

Datatype: "Max100KBinary" on page 909

18.1.2.2.11 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "ResponseType11" on page 814 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

18.1.2.2.12 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 675 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

18.1.3 Address

18.1.3.1 CommunicationAddress9

Definition: Communication information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PostalAddress <PstlAdr>	[0..1]	±		616
	Email <Email>	[0..1]	Text		616
	URLAddress <URLAdr>	[0..1]	Text		617
	Phone <Phne>	[0..1]	Text		617
	CustomerService <CstmrSvc>	[0..1]	Text		617
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		617

18.1.3.1.1 PostalAddress <PstlAdr>

Presence: [0..1]

Definition: Postal address of the entity.

PostalAddress <PstlAdr> contains the following elements (see "[PostalAddress22](#)" on page 845 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		846
	Department <Dept>	[0..1]	Text		846
	SubDepartment <SubDept>	[0..1]	Text		846
	AddressLine <AdrLine>	[0..2]	Text		846
	StreetName <StrtNm>	[0..1]	Text		847
	BuildingNumber <BldgNb>	[0..1]	Text		847
	PostCode <PstCd>	[0..1]	Text		847
	TownName <TwnNm>	[0..1]	Text		847
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		847
	CountryCode <CtryCd>	[0..1]	Text		847

18.1.3.1.2 Email <Email>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: "Max256Text" on page 980

18.1.3.1.3 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 980

18.1.3.1.4 Phone <Phne>

Presence: [0..1]

Definition: Collection of information that identifies a phone number, as defined by telecom services.

Datatype: "PhoneNumber" on page 984

18.1.3.1.5 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer service.

Datatype: "PhoneNumber" on page 984

18.1.3.1.6 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 980

18.1.4 Amount

18.1.4.1 AmountAndDirection93

Definition: Signed amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		617
	Currency <Ccy>	[1..1]	CodeSet	C1	618
	Sign <Sgn>	[0..1]	Indicator		618

18.1.4.1.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.4.1.2 Currency <Ccy>

Presence: [1..1]

Definition: Currency associated with the transaction.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

18.1.4.1.3 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 976):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

18.1.4.2 InstalmentAmountDetails1

Definition: Instalment amount details

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		618
	OtherType <OthrTp>	[0..1]	Text		619
	SubType <SubTp>	[0..1]	Text		619
	Amount <Amt>	[0..1]	±		619
	Percentage <Pctg>	[0..1]	Rate		619

18.1.4.2.1 Type <Tp>

Presence: [0..1]

Definition: Grace period unit type.

Datatype: "InstalmentAmountDetailsType1Code" on page 940

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.

18.1.4.2.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Grace period other unit type.

Datatype: "Max35Text" on page 981

18.1.4.2.3 SubType <SubTp>

Presence: [0..1]

Definition: Grace period sub type.

Datatype: "Max35Text" on page 981

18.1.4.2.4 Amount <Amt>

Presence: [0..1]

Definition: Detailed instalment amount.

Amount <Amt> contains the following elements (see "Amount5" on page 619 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		620
	Sign <Sgn>	[0..1]	Indicator		620

18.1.4.2.5 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 977

18.1.4.3 Amount5

Definition: Signed amount in a given numeric currency

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		620
	Sign <Sgn>	[0..1]	Indicator		620

18.1.4.3.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.4.3.2 Sign <Sgn>

Presence: [0..1]

Definition: Sign of the amount.

Datatype: One of the following values must be used (see "PlusOrMinusIndicator" on page 976):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

18.1.4.4 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		620
	CashBack <CshBck>	[0..1]	Amount		620
	Gratuity <Grtty>	[0..1]	Amount		620
	Fees <Fees>	[0..*]	±		621
	Rebate <Rbt>	[0..*]	±		621
	ValueAddedTax <ValAddedTax>	[0..*]	±		621
	Surcharge <Srchr>	[0..*]	±		621

18.1.4.4.1 AmountGoodsAndServices <AmtGoodsAndSvcs>

Presence: [0..1]

Definition: Amount of purchase goods and services without tax.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.4.4.2 CashBack <CshBck>

Presence: [0..1]

Definition: Cash-back amount.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.4.4.3 Gratuity <Grtty>

Presence: [0..1]

Definition: Gratuity amount.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.4.4.4 Fees <Fees>

Presence: [0..*]

Definition: Fees amount.

Fees <Fees> contains the following elements (see "[DetailedAmount4](#)" on page 622 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		622
	Label <Labl>	[0..1]	Text		622

18.1.4.4.5 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 622 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		622
	Label <Labl>	[0..1]	Text		622

18.1.4.4.6 ValueAddedTax <ValAddedTax>

Presence: [0..*]

Definition: Value added tax amount.

ValueAddedTax <ValAddedTax> contains the following elements (see "[DetailedAmount4](#)" on page 622 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		622
	Label <Labl>	[0..1]	Text		622

18.1.4.4.7 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 622 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		622
	Label <Labl>	[0..1]	Text		622

18.1.4.5 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		622
	Label <Labl>	[0..1]	Text		622

18.1.4.5.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.4.5.2 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max140Text" on page 979

18.1.5 Card

18.1.5.1 PlainCardData15

Definition: Sensible data associated with the payment card performing the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		622
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		623
	EffectiveDate <FctvDt>	[0..1]	Text		623
	ExpiryDate <XpryDt>	[1..1]	Text		623
	ServiceCode <SvcCd>	[0..1]	Text		623
	Track1 <Trck1>	[0..1]	Text		623
	Track2 <Trck2>	[0..1]	Text		623
	Track3 <Trck3>	[0..1]	Text		623
	CardholderName <CrdhldrNm>	[0..1]	Text		624

18.1.5.1.1 PAN <PAN>

Presence: [1..1]

Definition: Primary Account Number (PAN) of the card, or surrogate of the PAN by a payment token.

Datatype: "Min8Max28NumericText" on page 984

18.1.5.1.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN or token.

Datatype: "Min2Max3NumericText" on page 983

18.1.5.1.3 EffectiveDate <FctvDt>

Presence: [0..1]

Definition: Date from which the card can be used, expressed either in the YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10Text" on page 978

18.1.5.1.4 ExpiryDate <XpryDt>

Presence: [1..1]

Definition: Expiry date of the card or the payment token expressed either in the YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10Text" on page 978

18.1.5.1.5 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Services attached to the card, as defined in ISO 7813.

Datatype: "Exact3NumericText" on page 978

18.1.5.1.6 Track1 <Trck1>

Presence: [0..1]

Definition: ISO track 1 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The format is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max76Text" on page 982

18.1.5.1.7 Track2 <Trck2>

Presence: [0..1]

Definition: ISO track 2 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max37Text" on page 981

18.1.5.1.8 Track3 <Trck3>

Presence: [0..1]

Definition: ISO track 3 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 4909, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max104Text" on page 978

18.1.5.1.9 CardholderName <CrhdldrNm>

Presence: [0..1]

Definition: Name of the cardholder stored on the card.

Datatype: "Max45Text" on page 981

18.1.6 Card Transaction

18.1.6.1 GracePeriod1

Definition: Grace period applicable to an instalment plan.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		624
	UnitType <UnitTp>	[1..1]	CodeSet		624
	OtherUnitType <OthrUnitTp>	[0..1]	Text		624

18.1.6.1.1 Time <Tm>

Presence: [1..1]

Definition: Grace period time relative to the grace period unit type.

Datatype: "Max3NumericText" on page 981

18.1.6.1.2 UnitType <UnitTp>

Presence: [1..1]

Definition: Grace period unit type.

Datatype: "GracePeriodUnitType1Code" on page 938

CodeName	Name	Definition
WEKS	Weeks	Grace period weeks.
PMTS	Payments	Grace period payments.
OTHP	OtherPrivate	Other Private Grace period.
OTHN	OtherNational	Other National Grace period.
MNTH	Months	Grace period months.
DAYS	Days	Grace period days.

18.1.6.1.3 OtherUnitType <OthrUnitTp>

Presence: [0..1]

Definition: Grace period other unit type.

Datatype: "Max35Text" on page 981

18.1.6.2 CardPaymentTransaction120

Definition: Data associated with the transaction for a potential currency conversion.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIID>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltgAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639
	Decimal <Dcml>	[0..1]	Quantity		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UattnddLv/Ctgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			648
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <DclrtDtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrctcdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrdr>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

18.1.6.2.1 TransactionCapture <TxCaptr>

Presence: [0..1]

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

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.6.2.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: "CardPaymentServiceType5Code" on page 930

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.

18.1.6.2.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Service in addition to the main service.

Datatype: "CardPaymentServiceType9Code" on page 931

CodeName	Name	Definition
AGGR	Aggregation	Aggregation of low payments.

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

18.1.6.2.4 ServiceAttribute <SvcAttr>

Presence: [0..1]

Definition: Additional attribute of the service type.

Datatype: "CardPaymentServiceType14Code" on page 930

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.

18.1.6.2.5 LastTransactionFlag <LastTxFlg>

Presence: [0..1]

Definition: Flag indicating processing of the last transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.6.2.6 MerchantCategoryCode <MrchntCtgyCd>

Presence: [0..1]

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

Datatype: "Min3Max4Text" on page 983

18.1.6.2.7 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

18.1.6.2.8 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the initiator of the request. For instance refers to POITransactionIdentification if used inside an authorisation request or to SaleTransactionIdentification if the message is a payment request initiated by a sale system.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

18.1.6.2.9 OriginalTransaction <OrgnlTx>

Presence: [0..1]

Definition: Identification of the original transaction.

OriginalTransaction <OrgnlTx> contains the following **CardPaymentTransaction123** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIID>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkupDetails <MrkUpDtls>	[0..*]			640

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641

18.1.6.2.9.1 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

18.1.6.2.9.2 TransactionIdentification <TxId>

Presence: [1..1]

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

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier1" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

18.1.6.2.9.3 POIIdentification <POIID>

Presence: [1..1]

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

POIIdentification <POIID> contains the following elements (see "GenericIdentification32" on page 665 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		665
	Type <Tp>	[0..1]	CodeSet		665
	Issuer <Issr>	[0..1]	CodeSet		665
	ShortName <ShrtNm>	[0..1]	Text		666

18.1.6.2.9.4 CurrencyConversion <CcyConvs>

Presence: [0..1]

Definition: Link to a previous currency conversion.

CurrencyConversion <CcyConvs> contains the following **CurrencyConversion25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641

18.1.6.2.9.4.1 Result <Rslt>

Presence: [1..1]

Definition: Result of a requested currency conversion.

Datatype: "CurrencyConversionResponse3Code" on page 934

CodeName	Name	Definition
ODCC	Allowed	Dynamic currency conversion may be offered to the cardholder.
DCCA	Assumed	Transaction authorised with dynamic currency conversion.
ICRD	InvalidCard	The card is not valid for dynamic currency conversion.
IMER	InvalidMerchant	The card acceptor has not been recognised.
IPRD	InvalidProduct	Dynamic currency conversion service cannot be offered for this card product.
IRAT	NoRate	Exchange rates are not available.
NDCC	NotAvailable	Dynamic currency conversion is not available for other reason.
REST	Restriction	Conversion accepted for the requested amount exclusively.
CATG	Catalogue	Conversion accepted for a range of amounts.

18.1.6.2.9.4.2 ResultReason <RsltRsn>

Presence: [0..1]

Definition: Plain text explaining the result of the currency conversion request.

Datatype: "Max35Text" on page 981

18.1.6.2.9.4.3 ConversionDetails <ConvsDtls>

Presence: [0..*]

Definition: Information about the conversion of currency.

ConversionDetails <ConvDtls> contains the following **CurrencyConversion23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtDtls>	[0..*]	±		641

18.1.6.2.9.4.3.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

18.1.6.2.9.4.3.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637

18.1.6.2.9.4.3.2.1 AlphaCode <AlphaCd>

Presence: [1..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

18.1.6.2.9.4.3.2.2 NumericCode <NmrcCd>

Presence: [1..1]

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

Datatype: "Exact3NumericText" on page 978

18.1.6.2.9.4.3.2.3 Decimal <Dcml>

Presence: [1..1]

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

Datatype: "Number" on page 977

18.1.6.2.9.4.3.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 981

18.1.6.2.9.4.3.3 ResultingAmount <RsltAmt>

Presence: [1..1]

Definition: Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.9.4.3.4 ExchangeRate <XchgRate>

Presence: [1..1]

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

Datatype: "PercentageRate" on page 977

18.1.6.2.9.4.3.5 InvertedExchangeRate <NvrtdXchgRate>

Presence: [0..1]

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

Datatype: "PercentageRate" on page 977

18.1.6.2.9.4.3.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 974

18.1.6.2.9.4.3.7 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 974

18.1.6.2.9.4.3.8 SourceCurrency <SrcCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639

18.1.6.2.9.4.3.8.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

• ActiveCurrency

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

18.1.6.2.9.4.3.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 978

18.1.6.2.9.4.3.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 977

18.1.6.2.9.4.3.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 981

18.1.6.2.9.4.3.9 OriginalAmount <OrgnlAmt>

Presence: [1..1]

Definition: Original amount in the source currency.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640

18.1.6.2.9.4.3.9.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.9.4.3.9.2 MinimumAmount <MinAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.9.4.3.9.3 MaximumAmount <MaxAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.9.4.3.10 CommissionDetails <ComssnDtls>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640

18.1.6.2.9.4.3.10.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.9.4.3.10.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: "Max350Text" on page 980

18.1.6.2.9.4.3.11 MarkupDetails <MrkUpDtls>

Presence: [0..*]

Definition: Markup made as part of a currency conversion.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640

18.1.6.2.9.4.3.11.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: "PercentageRate" on page 977

18.1.6.2.9.4.3.11.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: "Max350Text" on page 980

18.1.6.2.9.4.3.12 DeclarationDetails <DclrtnDtls>

Presence: [0..*]

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

DeclarationDetails <DclrtnDtls> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.6.2.10 ReconciliationIdentification <RcnclntId>

Presence: [0..1]

Definition: Unique identification of the Acquirer/Acceptor reconciliation period.

Datatype: "Max35Text" on page 981

18.1.6.2.11 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: "Max140Text" on page 979

18.1.6.2.12 IssuerCITIdentification <IssrCITId>

Presence: [0..1]

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

Datatype: "Max140Text" on page 979

18.1.6.2.13 MerchantCITIdentification <MrchntCITId>

Presence: [0..1]

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

Datatype: "Max140Text" on page 979

18.1.6.2.14 TransactionDetails <TxDtIs>

Presence: [1..1]

Definition: Details of the transaction.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			648
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltgAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <Dclrtndtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtTx>	[0..1]	±		657
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <Saleitm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCntr>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660

18.1.6.2.14.1 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

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

18.1.6.2.14.2 TotalAmount <TtlAmt>

Presence: [1..1]

Definition: Total amount of the transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.3 CumulativeAmount <CmltvAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.4 AmountQualifier <AmtQlfr>

Presence: [0..1]

Definition: Qualifies the amount associated with the transaction.

Datatype: "TypeOfAmount8Code" on page 971

CodeName	Name	Definition
ACTL	Actual	Actual amount.
ESTM	Estimated	Estimated amount (the final amount could be above or below).
MAXI	Maximum	Maximum amount (the final amount must be less or equal).
DFLT	Default	Default amount.
RPLT	Replacement	Replacement amount.
INCR	Incremental	Incremental amount for reservation.
DECR	Decremental	Decremental amount for reservation.
RESA	Reserved	Reserved or updated reserved amount for reservation.

18.1.6.2.14.5 DetailedAmount <DtldAmt>

Presence: [0..1]

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

DetailedAmount <DtldAmt> contains the following elements (see "DetailedAmount15" on page 620 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountGoodsAndServices <AmtGoodsAndSvcs>	[0..1]	Amount		620
	CashBack <CshBck>	[0..1]	Amount		620
	Gratuity <Grtty>	[0..1]	Amount		620
	Fees <Fees>	[0..*]	±		621
	Rebate <Rbt>	[0..*]	±		621
	ValueAddedTax <ValAddedTax>	[0..*]	±		621
	Surcharge <Srchr>	[0..*]	±		621

18.1.6.2.14.6 RequestedAmount <ReqdAmt>

Presence: [0..1]

Definition: Amount requested to be authorised.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.7 AuthorisedAmount <AuthrsdAmt>

Presence: [0..1]

Definition: Amount authorised for the payment transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.8 InvoiceAmount <InvcAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.9 ValidityDate <VldtyDt>

Presence: [0..1]

Definition: Transaction authorisation deadline to complete the related payment.

Datatype: "ISODate" on page 974

18.1.6.2.14.10 OnLineReason <OnLineRsn>

Presence: [0..*]

Definition: Reason to process an online authorisation.

Datatype: "OnLineReason2Code" on page 945

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

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

18.1.6.2.14.11 UnattendedLevelCategory <UattnddLvIctgy>

Presence: [0..1]

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

Datatype: "Max35NumericText" on page 981

18.1.6.2.14.12 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 925

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

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

18.1.6.2.14.13 CurrencyConversionResult <CcyConvsRslt>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <DclrtnDtls>	[0..*]	±		656

18.1.6.2.14.13.1 AcceptedByCardholder <AccptdByCrdhldr>

Presence: [0..1]

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

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 976):

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

18.1.6.2.14.13.2 Conversion <Convs>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <DclrtDtls>	[0..*]	±		656

18.1.6.2.14.13.2.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

18.1.6.2.14.13.2.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652

18.1.6.2.14.13.2.2.1 AlphaCode <AlphaCd>

Presence: [1..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

18.1.6.2.14.13.2.2.2 NumericCode <NmrcCd>

Presence: [1..1]

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

Datatype: "Exact3NumericText" on page 978

18.1.6.2.14.13.2.2.3 Decimal <Dcml>

Presence: [1..1]

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

Datatype: "Number" on page 977

18.1.6.2.14.13.2.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 981

18.1.6.2.14.13.2.3 ResultingAmount <RsltAmt>

Presence: [1..1]

Definition: Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.13.2.4 ExchangeRate <XchgRate>

Presence: [1..1]

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

Datatype: "PercentageRate" on page 977

18.1.6.2.14.13.2.5 InvertedExchangeRate <NvrtdXchgRate>

Presence: [0..1]

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

Datatype: "PercentageRate" on page 977

18.1.6.2.14.13.2.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 974

18.1.6.2.14.13.2.7 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 974

18.1.6.2.14.13.2.8 SourceCurrency <SrcCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654

18.1.6.2.14.13.2.8.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

• ActiveCurrency

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

18.1.6.2.14.13.2.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 978

18.1.6.2.14.13.2.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 977

18.1.6.2.14.13.2.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 981

18.1.6.2.14.13.2.9 OriginalAmount <OrgnlAmt>

Presence: [1..1]

Definition: Original amount in the source currency.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655

18.1.6.2.14.13.2.9.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.13.2.9.2 MinimumAmount <MinAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.13.2.9.3 MaximumAmount <MaxAmt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.13.2.10 CommissionDetails <ComssnDtls>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655

18.1.6.2.14.13.2.10.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.6.2.14.13.2.10.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: "Max350Text" on page 980

18.1.6.2.14.13.2.11 MarkupDetails <MrkUpDtls>

Presence: [0..*]

Definition: Markup made as part of a currency conversion.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655

18.1.6.2.14.13.2.11.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: "PercentageRate" on page 977

18.1.6.2.14.13.2.11.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: "Max350Text" on page 980

18.1.6.2.14.13.2.12 DeclarationDetails <DclrtnDtls>

Presence: [0..*]

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

DeclarationDetails <DclrtnDtls> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstrn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.6.2.14.14 Instalment <Instlmt>

Presence: [0..*]

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

Instalment <Instlmt> contains the following elements (see "RecurringTransaction4" on page 706 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		706
	PlanIdentification <PlanId>	[0..1]	Text		707
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		707
	SequenceNumber <SeqNb>	[0..1]	Quantity		707
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		707
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		708
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		708
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		708
	TotalAmount <TtlAmt>	[0..1]	Amount	C7	708
	FirstAmount <FrstAmt>	[0..1]	Amount		708
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		708
	LastAmount <LastAmt>	[0..1]	Amount		709
	Charges <Chrgs>	[0..1]	Amount		709
	DetailedCharges <DtldChrgs>	[0..*]	±		709
	InterestRate <IntrstRate>	[0..*]			709
	Type <Tp>	[0..1]	CodeSet		709
	OtherType <OthrTp>	[0..1]	Text		710
	Period <Prd>	[1..1]	CodeSet		710
	Rate <Rate>	[1..1]	Rate		710
	GracePeriod <GracePrd>	[0..*]	±		710

18.1.6.2.14.15 AggregationTransaction <AggtnTx>

Presence: [0..1]

Definition: Payment transaction with an aggregated amount.

AggregationTransaction <AggtTx> contains the following elements (see "AggregationTransaction3" on page 823 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		823
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		823
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		823
	IndividualPayment <IndvPmt>	[0..*]			824
	Amount <Amt>	[1..1]	Amount		824
	DateTime <DtTm>	[1..1]	DateTime		824
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		824
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		825
	Label <Lbl>	[0..1]	Text		825

18.1.6.2.14.16 ProductCodeSetIdentification <PdctCdSetId>

Presence: [0..1]

Definition: Codification used to identify the products.

Datatype: "Max10Text" on page 978

18.1.6.2.14.17 SaleItem <SaleItm>

Presence: [0..*]

Definition: Item purchased with the transaction.

SaleItem <Saleitm> contains the following elements (see "Product6" on page 825 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

18.1.6.2.14.18 DeliveryLocation <DlvryLctn>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

18.1.6.2.14.19 ReSubmissionCounter <ReSubmissnCnt>

Presence: [0..1]

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

Datatype: "PositiveNumber" on page 977

18.1.6.2.14.20 AdditionalInformation <AddtlInf>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrctcdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660

18.1.6.2.14.20.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 978

18.1.6.2.14.20.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 909

18.1.6.2.14.20.3 ProtectedValue <PrctcdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrctcdVal> contains the following elements (see "ContentInformationType30" on page 874 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		875
	EnvelopedData <EnvlpdData>	[0..1]	±		875
	AuthenticatedData <AuthntcdData>	[0..1]	±		876
	SignedData <SgndData>	[0..1]	±		877
	DigestedData <DgstdData>	[0..1]	±		878

18.1.6.2.14.20.4 Type <Tp>

Presence: [0..1]

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

Datatype: "Max1025Text" on page 978

18.1.6.2.14.21 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application.

Datatype: "Max10000Binary" on page 909

18.1.6.2.15 AuthorisationResult <AuthstnRslt>

Presence: [0..1]

Definition: Outcome of the authorisation request.

AuthorisationResult <AuthstnRslt> contains the following **AuthorisationResult18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662

18.1.6.2.15.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

AuthorisationEntity <AuthstnNtty> contains the following elements (see "[GenericIdentification90](#)" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		672
	Type <Tp>	[1..1]	CodeSet		672
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		673
	ShortName <ShrtNm>	[0..1]	Text		673

18.1.6.2.15.2 ResponseToAuthorisation <RspnToAuthstn>

Presence: [1..1]

Definition: Response to an authorisation request.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662

18.1.6.2.15.2.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the transaction.

Datatype: "Response9Code" on page 955

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).

18.1.6.2.15.2.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detailed result of the transaction.

Datatype: "Max35Text" on page 981

18.1.6.2.15.2.3 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information on the response for further examination.

Datatype: "Max140Text" on page 979

18.1.6.2.15.3 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 983

18.1.6.2.16 MerchantReferenceData <MrchntRefData>

Presence: [0..1]

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

Datatype: "Max70Text" on page 982

18.1.6.2.17 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: Customer Order processing data.

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

18.1.6.2.18 CustomerToken <CstmrTkn>

Presence: [0..1]

Definition: Customer payment token information.

CustomerToken <CstmrTkn> contains the following elements (see "[CardPaymentToken5](#)" on page 906 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		906
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		906
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		906
	TokenCharacteristic <TknChrtc>	[0..*]	Text		907
	TokenRequestor <TknRqstr>	[0..1]			907
	ProviderIdentification <PrvdId>	[1..1]	Text		907
	RequestorIdentification <RqstrId>	[1..1]	Text		907
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		907
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		907
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		907
	TokenInitiatedIndicator <TknInittlInd>	[0..1]	Indicator		908

18.1.6.2.19 CustomerConsent <CstmrCnsnt>

Presence: [0..1]

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

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 976):

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

18.1.6.2.20 CardProgrammeProposed <CardPrgrmmPropsd>

Presence: [0..*]

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

Datatype: ["Max35Text"](#) on page 981

18.1.6.2.21 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

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

Datatype: ["Max35Text"](#) on page 981

18.1.6.2.22 SaleToPOIData <SaleToPOIData>

Presence: [0..1]

Definition: The POI System receives this information.

Datatype: ["Max70Text"](#) on page 982

18.1.6.2.23 SaleToAcquirerData <SaleToAcqrrData>

Presence: [0..1]

Definition: Sale information intended for the Acquirer.

Datatype: ["Max70Text"](#) on page 982

18.1.6.2.24 SaleToIssuerData <SaleToIssrData>

Presence: [0..1]

Definition: Sale information intended for the Issuer.

Datatype: ["Max70Text"](#) on page 982

18.1.6.2.25 AdditionalTransactionData <AddtlTxData>

Presence: [0..*]

Definition: Additional information related to the transaction.

Datatype: ["Max70Text"](#) on page 982

18.1.7 Identification Information

18.1.7.1 GenericIdentification32

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		665
	Type <Tp>	[0..1]	CodeSet		665
	Issuer <Issr>	[0..1]	CodeSet		665
	ShortName <ShrtNm>	[0..1]	Text		666

18.1.7.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 981

18.1.7.1.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType3Code" on page 948

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

18.1.7.1.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType4Code" on page 948

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.

18.1.7.1.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 981

18.1.7.2 GenericIdentification177

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

18.1.7.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 981

18.1.7.2.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType33Code" on page 947

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.

18.1.7.2.3 Issuer <lssr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType33Code" on page 947

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.

18.1.7.2.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 983

18.1.7.2.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 981

18.1.7.2.6 RemoteAccess <RmotAccs>

Presence: [0..1]

Definition: Access information to reach the target host.

RemoteAccess <RmotAccs> contains the following elements (see "NetworkParameters7" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			844
	NetworkType <NtwkTp>	[1..1]	CodeSet		844
	AddressValue <AdrVal>	[1..1]	Text		844
	UserName <UsrNm>	[0..1]	Text		844
	AccessCode <AccsCd>	[0..1]	Binary		845
	ServerCertificate <SvrCert>	[0..*]	Binary		845
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		845
	ClientCertificate <CIntCert>	[0..*]	Binary		845
	SecurityProfile <SctyPrfl>	[0..1]	Text		845

18.1.7.2.7 Geolocation <Glctn>

Presence: [0..1]

Definition: Location of the entity.

Geolocation <Glctn> contains the following **Geolocation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

18.1.7.2.7.1 GeographicCoordinates <GeogcCordints>

Presence: [0..1]

Definition: Geographic location specified by geographic coordinates.

GeographicCoordinates <GeogcCordints> contains the following **GeolocationGeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669

18.1.7.2.7.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Angular distance of a location on the earth south or north of the equator.

The latitude is measured in degrees, minutes and seconds, following by "N" for the north and "S" for the south of the equator. For example: 48°51'29" N the Eiffel Tower latitude.

Datatype: "Max35Text" on page 981

18.1.7.2.7.1.2 Longitude <Long>

Presence: [1..1]

Definition: Angular measurement of the distance of a location on the earth east or west of the Greenwich observatory.

The longitude is measured in degrees, minutes and seconds, following by "E" for the east and "W" for the west. For example: 23°27'30" E.

Datatype: "Max35Text" on page 981

18.1.7.2.7.2 UTMCoordinates <UTMCordints>

Presence: [0..1]

Definition: Geographic location specified by UTM coordinates.

UTMCoordinates <UTMCordints> contains the following **GeolocationUTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

18.1.7.2.7.2.1 UTMZone <UTMZone>

Presence: [1..1]

Definition: UTM grid zone combination of the longitude zone (1 to 60) and the latitude band (C to X, excluding I and O).

Datatype: "Max35Text" on page 981

18.1.7.2.7.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 981

18.1.7.2.7.2.3 UTMNorthward <UTMNrthwr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 981

18.1.7.3 GenericIdentification176

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		670
	Type <Tp>	[0..1]	CodeSet		671
	Issuer <Issr>	[0..1]	CodeSet		671
	Country <Ctry>	[0..1]	Text		672
	ShortName <ShrtNm>	[0..1]	Text		672

18.1.7.3.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 981

18.1.7.3.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType33Code" on page 947

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.

18.1.7.3.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType33Code" on page 947

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
MTMG	MasterTerminalManager	Responsible for the maintenance of a card payment acceptance terminal.
TAXH	TaxAuthority	Tax authority.
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.

18.1.7.3.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 983

18.1.7.3.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 981

18.1.7.4 GenericIdentification90

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		672
	Type <Tp>	[1..1]	CodeSet		672
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		673
	ShortName <ShrtNm>	[0..1]	Text		673

18.1.7.4.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 981

18.1.7.4.2 Type <Tp>

Presence: [1..1]

Definition: Type of identified entity.

Datatype: "PartyType14Code" on page 947

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.

CodeName	Name	Definition
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
ICCA	CardApplication	Application in the smart card.

18.1.7.4.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType4Code" on page 948

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.

18.1.7.4.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 983

18.1.7.4.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 981

18.1.7.5 GenericIdentification36

Definition: Identification using a proprietary scheme.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		674
	Issuer <Issr>	[1..1]	Text		674
	SchemeName <SchmeNm>	[0..1]	Text		674

18.1.7.5.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 981

18.1.7.5.2 Issuer <Issr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 981

18.1.7.5.3 SchemeName <SchmeNm>

Presence: [0..1]

Definition: Short textual description of the scheme.

Datatype: "Max35Text" on page 981

18.1.7.6 GenericIdentification4

Definition: Information related to an identification, eg, party identification or account identification.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		674
	IdentificationType <IdTp>	[1..1]	Text		674

18.1.7.6.1 Identification <Id>

Presence: [1..1]

Definition: Identifier issued to a person for which no specific identifier has been defined.

Datatype: "Max35Text" on page 981

18.1.7.6.2 IdentificationType <IdTp>

Presence: [1..1]

Definition: Specifies the nature of the identifier.

Usage: IdentificationType is used to specify what kind of identifier is used. It should be used in case the identifier is different from the identifiers listed in the pre-defined identifier list.

Datatype: "Max35Text" on page 981

18.1.8 Miscellaneous

18.1.8.1 SupplementaryData1

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		675
	Envelope <Envlp>	[1..1]	(External Schema)		675

Constraints

- **SupplementaryDataRule**

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

18.1.8.1.1 PlaceAndName <PlcAndNm>

Presence: [0..1]

Definition: Unambiguous reference to the location where the supplementary data must be inserted in the message instance.

In the case of XML, this is expressed by a valid XPath.

Datatype: "Max350Text" on page 980

18.1.8.1.2 Envelope <Envlp>

Presence: [1..1]

Definition: Technical element wrapping the supplementary data.

Type: (External Schema)

Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

18.1.8.2 RetailerPaymentResult4

Definition: Payment Data Results.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		678
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		679
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		679
	RequestedTransaction <ReqdTxx>	[0..1]	±		680
	TransactionResponse <TxRspn>	[0..1]			684
	AuthorisationResult <AuthstnRslt>	[1..1]			687
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		687
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			687
	Response <Rspn>	[1..1]	CodeSet		688
	ResponseReason <RspnRsn>	[0..1]	Text		688
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		688
	AuthorisationCode <AuthstnCd>	[0..1]	Text		688
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		688
	TMSTrigger <TMSTrggr>	[0..1]			689
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		689
	TMSIdentification <TMSId>	[0..1]	Text		689
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		689
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			689
	Method <Mtd>	[1..1]	CodeSet		690
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		691
	Result <Rslt>	[0..1]	CodeSet		691
	AdditionalResult <AddtlRslt>	[0..1]	Text		691
	AllowedProductCode <AllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		693
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		693

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountLimit <AmtLmt>	[0..1]	Amount		693
	QuantityLimit <QtyLmt>	[0..1]	Quantity		693
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		693
	Balance <Bal>	[0..1]	±		695
	ProtectedBalance <PrctcdBal>	[0..1]	±		695
	Action <Actn>	[0..*]			696
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]	±		697
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			697
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		698
	TargetCurrency <TrgtCcy>	[1..1]			699
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	699
	NumericCode <NmrcCd>	[1..1]	Text		699
	Decimal <Dcml>	[1..1]	Quantity		699
	Name <Nm>	[0..1]	Text		699
	ResultingAmount <RsltgAmt>	[1..1]	Amount		700
	ExchangeRate <XchgRate>	[1..1]	Rate		700
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		700
	QuotationDate <QtnDt>	[0..1]	DateTime		700
	ValidUntil <VldUntil>	[0..1]	DateTime		700
	SourceCurrency <SrcCcy>	[1..1]			700
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	700
	NumericCode <NmrcCd>	[0..1]	Text		701
	Decimal <Dcml>	[0..1]	Quantity		701
	Name <Nm>	[0..1]	Text		701
	OriginalAmount <OrgnlAmt>	[1..1]			701
	ActualAmount <ActlAmt>	[0..1]	Amount		701
	MinimumAmount <MinAmt>	[0..1]	Amount		701
	MaximumAmount <MaxAmt>	[0..1]	Amount		702
	CommissionDetails <ComssnDtls>	[0..*]			702
	Amount <Amt>	[1..1]	Amount		702

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalInformation <AddtlInf>	[0..1]	Text		702
	MarkUpDetails <MrkUpDtls>	[0..*]			702
	Rate <Rate>	[1..1]	Rate		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		703
	DeclarationDetails <Dclrtndtls>	[0..*]	±		703
	CustomerOrder <CstmrOrd>	[0..*]	±		703
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			704
	ImageFormat <ImgFrmt>	[1..1]	Text		704
	ImageData <ImgData>	[0..1]	Binary		704
	ImageReference <ImgRef>	[0..1]	Text		705
	AdditionalInformation <AddtlInf>	[0..1]	Text		705
	ProtectedCapturedSignature <PrctcdCaptrdSgntr>	[0..1]	±		705
	MerchantOverrideFlag <MrchntOvrddFlg>	[0..1]	Indicator		705
	CustomerLanguage <CstmrLang>	[0..1]	CodeSet	C6	705
	OnlineFlag <OnlnFlg>	[0..1]	Indicator		705

18.1.8.2.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of payment transaction.

Datatype: "CardPaymentServiceType12Code" on page 928

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

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

18.1.8.2.2 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Service provided by the card payment transaction, in addition to the main service.

Datatype: "CardPaymentServiceType9Code" on page 931

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.

18.1.8.2.3 ServiceAttribute <SvcAttr>

Presence: [0..1]

Definition: Additional attribute of the service type.

Datatype: "CardPaymentServiceType14Code" on page 930

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.

18.1.8.2.4 RequestedTransaction <ReqdTxx>

Presence: [0..1]

Definition: Data associated with the Transaction.

RequestedTransaction <ReqdTxx> contains the following elements (see
"CardPaymentTransaction120" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCapture <TxCaptr>	[0..1]	Indicator		628
	TransactionType <TxTp>	[1..1]	CodeSet		629
	AdditionalService <AddtlSvc>	[0..*]	CodeSet		629
	ServiceAttribute <SvcAttr>	[0..1]	CodeSet		630
	LastTransactionFlag <LastTxFlg>	[0..1]	Indicator		630
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		631
	TransactionIdentification <TxId>	[1..1]	±		631
	OriginalTransaction <OrgnlTx>	[0..1]			631
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		633
	TransactionIdentification <TxId>	[1..1]	±		633
	POIIdentification <POIId>	[1..1]	±		633
	CurrencyConversion <CcyConvs>	[0..1]			633
	Result <Rslt>	[1..1]	CodeSet		635
	ResultReason <RsltRsn>	[0..1]	Text		635
	ConversionDetails <ConvsDtls>	[0..*]			635
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		636
	TargetCurrency <TrgtCcy>	[1..1]			637
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	637
	NumericCode <NmrcCd>	[1..1]	Text		637
	Decimal <Dcml>	[1..1]	Quantity		637
	Name <Nm>	[0..1]	Text		637
	ResultingAmount <RsltAmt>	[1..1]	Amount		637
	ExchangeRate <XchgRate>	[1..1]	Rate		638
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		638
	QuotationDate <QtnDt>	[0..1]	DateTime		638
	ValidUntil <VldUntil>	[0..1]	DateTime		638
	SourceCurrency <SrcCcy>	[1..1]			638
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	638
	NumericCode <NmrcCd>	[0..1]	Text		639

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		639
	Name <Nm>	[0..1]	Text		639
	OriginalAmount <OrgnlAmt>	[1..1]			639
	ActualAmount <ActlAmt>	[0..1]	Amount		639
	MinimumAmount <MinAmt>	[0..1]	Amount		639
	MaximumAmount <MaxAmt>	[0..1]	Amount		640
	CommissionDetails <ComssnDtls>	[0..*]			640
	Amount <Amt>	[1..1]	Amount		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	MarkUpDetails <MrkUpDtls>	[0..*]			640
	Rate <Rate>	[1..1]	Rate		640
	AdditionalInformation <AddtlInf>	[0..1]	Text		640
	DeclarationDetails <DclrtnDtls>	[0..*]	±		641
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		641
	IssuerReferenceData <IssrRefData>	[0..1]	Text		641
	IssuerCITIdentification <IssrCITId>	[0..1]	Text		641
	MerchantCITIdentification <MrchntCITId>	[0..1]	Text		642
	TransactionDetails <TxDtls>	[1..1]			642
	Currency <Ccy>	[0..1]	CodeSet	C1	644
	TotalAmount <TtlAmt>	[1..1]	Amount		645
	CumulativeAmount <CmltvAmt>	[0..1]	Amount		645
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		645
	DetailedAmount <DtldAmt>	[0..1]	±		645
	RequestedAmount <ReqdAmt>	[0..1]	Amount		646
	AuthorisedAmount <AuthrsdAmt>	[0..1]	Amount		646
	InvoiceAmount <InvcAmt>	[0..1]	Amount		646
	ValidityDate <VldtyDt>	[0..1]	Date		646
	OnLineReason <OnLineRsn>	[0..*]	CodeSet		646
	UnattendedLevelCategory <UatnddLvCtgy>	[0..1]	Text		647
	AccountType <AcctTp>	[0..1]	CodeSet		647
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			648

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcceptedByCardholder <AccptdByCrdhldr>	[0..1]	Indicator		650
	Conversion <Convs>	[0..1]			650
	CurrencyConversionIdentification <CcyConvslid>	[0..1]	Text		651
	TargetCurrency <TrgtCcy>	[1..1]			652
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	652
	NumericCode <NmrcCd>	[1..1]	Text		652
	Decimal <Dcml>	[1..1]	Quantity		652
	Name <Nm>	[0..1]	Text		652
	ResultingAmount <RsltAmt>	[1..1]	Amount		652
	ExchangeRate <XchgRate>	[1..1]	Rate		653
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		653
	QuotationDate <QtnDt>	[0..1]	DateTime		653
	ValidUntil <VldUntil>	[0..1]	DateTime		653
	SourceCurrency <SrcCcy>	[1..1]			653
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	653
	NumericCode <NmrcCd>	[0..1]	Text		654
	Decimal <Dcml>	[0..1]	Quantity		654
	Name <Nm>	[0..1]	Text		654
	OriginalAmount <OrgnlAmt>	[1..1]			654
	ActualAmount <ActlAmt>	[0..1]	Amount		654
	MinimumAmount <MinAmt>	[0..1]	Amount		654
	MaximumAmount <MaxAmt>	[0..1]	Amount		655
	CommissionDetails <ComssnDtls>	[0..*]			655
	Amount <Amt>	[1..1]	Amount		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	MarkUpDetails <MrkUpDtls>	[0..*]			655
	Rate <Rate>	[1..1]	Rate		655
	AdditionalInformation <AddtlInf>	[0..1]	Text		655
	DeclarationDetails <DclrtnDtls>	[0..*]	±		656
	Instalment <Instlmt>	[0..*]	±		656
	AggregationTransaction <AggtnTx>	[0..1]	±		657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCodeSetIdentification <PdctCdSetId>	[0..1]	Text		658
	SaleItem <SaleItm>	[0..*]	±		658
	DeliveryLocation <DlvryLctn>	[0..1]	Text		659
	ReSubmissionCounter <ReSubmissnCnt>	[0..1]	Quantity		659
	AdditionalInformation <AddtlInf>	[0..*]			659
	Identification <Id>	[1..1]	Text		660
	Value <Val>	[0..1]	Binary		660
	ProtectedValue <PrtctdVal>	[0..1]	±		660
	Type <Tp>	[0..1]	Text		660
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	AuthorisationResult <AuthstnRslt>	[0..1]			661
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		661
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			661
	Response <Rspn>	[1..1]	CodeSet		662
	ResponseReason <RspnRsn>	[0..1]	Text		662
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		662
	AuthorisationCode <AuthstnCd>	[0..1]	Text		662
	MerchantReferenceData <MrchntRefData>	[0..1]	Text		662
	CustomerOrder <CstmrOrd>	[0..1]	±		662
	CustomerToken <CstmrTkn>	[0..1]	±		663
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		664
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]	Text		664
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	Text		664
	SaleToPOIData <SaleToPOIData>	[0..1]	Text		664
	SaleToAcquirerData <SaleToAcqrrData>	[0..1]	Text		664
	SaleToIssuerData <SaleToIssrData>	[0..1]	Text		664
	AdditionalTransactionData <AddtlTxData>	[0..*]	Text		664

18.1.8.2.5 TransactionResponse <TxRspn>

Presence: [0..1]

Definition: Result of the transaction processing.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationResult <AuthstnRsIt>	[1..1]			687
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		687
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			687
	Response <Rspn>	[1..1]	CodeSet		688
	ResponseReason <RspnRsn>	[0..1]	Text		688
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		688
	AuthorisationCode <AuthstnCd>	[0..1]	Text		688
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		688
	TMSTrigger <TMSTrggr>	[0..1]			689
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		689
	TMSIdentification <TMSId>	[0..1]	Text		689
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		689
	TransactionVerificationResult <TxVrfctnRsIt>	[0..*]			689
	Method <Mtd>	[1..1]	CodeSet		690
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		691
	Result <RsIt>	[0..1]	CodeSet		691
	AdditionalResult <AddtlRsIt>	[0..1]	Text		691
	AllowedProductCode <AllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	NotAllowedProductCode <NotAllwdPdctCd>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692
	AdditionalAvailableProduct <AddtlAvlblPdct>	[0..*]			692
	ProductCode <PdctCd>	[1..1]	Text		693
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		693
	AmountLimit <AmtLmt>	[0..1]	Amount		693
	QuantityLimit <QtyLmt>	[0..1]	Quantity		693
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		693
	Balance <Bal>	[0..1]	±		695
	ProtectedBalance <PrctcdBal>	[0..1]	±		695

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Action <Actn>	[0..*]			696
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]	±		697
	CurrencyConversionEligibility <CcyConvsElgblty>	[0..1]			697
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		698
	TargetCurrency <TrgtCcy>	[1..1]			699
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	699
	NumericCode <NmrcCd>	[1..1]	Text		699
	Decimal <Dcml>	[1..1]	Quantity		699
	Name <Nm>	[0..1]	Text		699
	ResultingAmount <RsltgAmt>	[1..1]	Amount		700
	ExchangeRate <XchgRate>	[1..1]	Rate		700
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		700
	QuotationDate <QtnDt>	[0..1]	DateTime		700
	ValidUntil <VldUntil>	[0..1]	DateTime		700
	SourceCurrency <SrcCcy>	[1..1]			700
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	700
	NumericCode <NmrcCd>	[0..1]	Text		701
	Decimal <Dcml>	[0..1]	Quantity		701
	Name <Nm>	[0..1]	Text		701
	OriginalAmount <OrgnlAmt>	[1..1]			701
	ActualAmount <ActlAmt>	[0..1]	Amount		701
	MinimumAmount <MinAmt>	[0..1]	Amount		701
	MaximumAmount <MaxAmt>	[0..1]	Amount		702
	CommissionDetails <ComssnDtls>	[0..*]			702
	Amount <Amt>	[1..1]	Amount		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		702
	MarkUpDetails <MrkUpDtls>	[0..*]			702
	Rate <Rate>	[1..1]	Rate		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		703
	DeclarationDetails <DclrtnDtls>	[0..*]	±		703

18.1.8.2.5.1 AuthorisationResult <AuthstnRslt>

Presence: [1..1]

Definition: Outcome of the authorisation, and actions to perform.

AuthorisationResult <AuthstnRslt> contains the following **AuthorisationResult17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	±		687
	ResponseToAuthorisation <RspnToAuthstn>	[1..1]			687
	Response <Rspn>	[1..1]	CodeSet		688
	ResponseReason <RspnRsn>	[0..1]	Text		688
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		688
	AuthorisationCode <AuthstnCd>	[0..1]	Text		688
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		688
	TMSTrigger <TMSTrggr>	[0..1]			689
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		689
	TMSIdentification <TMSId>	[0..1]	Text		689
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		689

18.1.8.2.5.1.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

AuthorisationEntity <AuthstnNtty> contains the following elements (see "[GenericIdentification90](#)" on page 672 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		672
	Type <Tp>	[1..1]	CodeSet		672
	Issuer <Issr>	[0..1]	CodeSet		673
	Country <Ctry>	[0..1]	Text		673
	ShortName <ShrtNm>	[0..1]	Text		673

18.1.8.2.5.1.2 ResponseToAuthorisation <RspnToAuthstn>

Presence: [1..1]

Definition: Response to an authorisation request.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		688
	ResponseReason <RspnRsn>	[0..1]	Text		688
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		688

18.1.8.2.5.1.2.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the transaction.

Datatype: "Response9Code" on page 955

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).

18.1.8.2.5.1.2.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detailed result of the transaction.

Datatype: "Max35Text" on page 981

18.1.8.2.5.1.2.3 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information on the response for further examination.

Datatype: "Max140Text" on page 979

18.1.8.2.5.1.3 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 983

18.1.8.2.5.1.4 CompletionRequired <CmpltnReqrd>

Presence: [0..1]

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

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.2.5.1.5 TMSTrigger <TMSTrgr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TMSContactLevel <TMSCtctLvl>	[1..1]	CodeSet		689
	TMSIdentification <TMSId>	[0..1]	Text		689
	TMSContactDateTime <TMSCtctDtTm>	[0..1]	DateTime		689

18.1.8.2.5.1.5.1 TMSContactLevel <TMSCtctLvl>

Presence: [1..1]

Definition: Level of urgency in contacting the maintenance.

Datatype: "TMSContactLevel1Code" on page 969

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.

18.1.8.2.5.1.5.2 TMSIdentification <TMSId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

18.1.8.2.5.1.5.3 TMSContactDateTime <TMSCtctDtTm>

Presence: [0..1]

Definition: Date and time for calling the maintenance.

Datatype: "ISODateTime" on page 974

18.1.8.2.5.2 TransactionVerificationResult <TxVrfctnRsIt>

Presence: [0..*]

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

TransactionVerificationResult <TxVrfctnRsIt> contains the following
TransactionVerificationResult4 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		690
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		691
	Result <RsIt>	[0..1]	CodeSet		691
	AdditionalResult <AddtlRsIt>	[0..1]	Text		691

18.1.8.2.5.2.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod6Code" on page 921

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.

18.1.8.2.5.2.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 921

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.

18.1.8.2.5.2.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 974

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.

18.1.8.2.5.2.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 982

18.1.8.2.5.3 AllowedProductCode <AllwdPdctCd>

Presence: [0..*]

Definition: Product code which are allowed by the payment card.

AllowedProductCode <AllwdPdctCd> contains the following **Product4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692

18.1.8.2.5.3.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code.

Datatype: "Max70Text" on page 982

18.1.8.2.5.3.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 982

18.1.8.2.5.4 NotAllowedProductCode <NotAllwdPdctCd>

Presence: [0..*]

Definition: Product code not allowed by the payment card.

NotAllowedProductCode <NotAllwdPdctCd> contains the following **Product4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[1..1]	Text		692
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		692

18.1.8.2.5.4.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code.

Datatype: "Max70Text" on page 982

18.1.8.2.5.4.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 982

18.1.8.2.5.5 AdditionalAvailableProduct <AddtlAvlblPdct>

Presence: [0..*]

Definition: Products that may be added to the purchase after the authorisation.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[1..1]	Text		693
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		693
	AmountLimit <AmtLmt>	[0..1]	Amount		693
	QuantityLimit <QtyLmt>	[0..1]	Quantity		693
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		693

18.1.8.2.5.5.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 982

18.1.8.2.5.5.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 982

18.1.8.2.5.5.3 AmountLimit <AmtLmt>

Presence: [0..1]

Definition: Amount limit for the product.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.2.5.5.4 QuantityLimit <QtyLmt>

Presence: [0..1]

Definition: Quantity limit for the product.

Datatype: "DecimalNumber" on page 976

18.1.8.2.5.5.5 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure6Code" on page 972

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.

18.1.8.2.5.6 Balance <Bal>

Presence: [0..1]

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

Balance <Bal> contains the following elements (see "[AmountAndDirection93](#)" on page 617 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		617
	Currency <Ccy>	[1..1]	CodeSet	C1	618
	Sign <Sgn>	[0..1]	Indicator		618

18.1.8.2.5.7 ProtectedBalance <PrctcdBal>

Presence: [0..1]

Definition: Encrypted balance of the account.

ProtectedBalance <PrctcdBal> contains the following elements (see "[ContentInformationType32](#)" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.8.2.5.8 Action <Actn>

Presence: [0..*]

Definition: Set of actions to be performed by the POI (Point Of Interaction) system.

Action <Actn> contains the following **Action12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]	±		697

18.1.8.2.5.8.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the POI (Point Of Interaction) system.

Datatype: "ActionType12Code" on page 911

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

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

18.1.8.2.5.8.2 MessageToPresent <MsgToPres>

Presence: [0..1]

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

MessageToPresent <MsgToPres> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrCdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrCdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.8.2.5.9 CurrencyConversionEligibility <CcyConvseElgblty>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		698
	TargetCurrency <TrgtCcy>	[1..1]			699
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	699
	NumericCode <NmrcCd>	[1..1]	Text		699
	Decimal <Dcml>	[1..1]	Quantity		699
	Name <Nm>	[0..1]	Text		699
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		700
	ExchangeRate <XchgRate>	[1..1]	Rate		700
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		700
	QuotationDate <QtnDt>	[0..1]	DateTime		700
	ValidUntil <VldUntil>	[0..1]	DateTime		700
	SourceCurrency <SrcCcy>	[1..1]			700
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	700
	NumericCode <NmrcCd>	[0..1]	Text		701
	Decimal <Dcml>	[0..1]	Quantity		701
	Name <Nm>	[0..1]	Text		701
	OriginalAmount <OrgnlAmt>	[1..1]			701
	ActualAmount <ActlAmt>	[0..1]	Amount		701
	MinimumAmount <MinAmt>	[0..1]	Amount		701
	MaximumAmount <MaxAmt>	[0..1]	Amount		702
	CommissionDetails <ComssnDtls>	[0..*]			702
	Amount <Amt>	[1..1]	Amount		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		702
	MarkUpDetails <MrkUpDtls>	[0..*]			702
	Rate <Rate>	[1..1]	Rate		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		703
	DeclarationDetails <Dclrtndtls>	[0..*]	±		703

18.1.8.2.5.9.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

18.1.8.2.5.9.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[1..1]	CodeSet	C1	699
	NumericCode <NmrcCd>	[1..1]	Text		699
	Decimal <Dcml>	[1..1]	Quantity		699
	Name <Nm>	[0..1]	Text		699

18.1.8.2.5.9.2.1 AlphaCode <AlphaCd>

Presence: [1..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

18.1.8.2.5.9.2.2 NumericCode <NmrcCd>

Presence: [1..1]

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

Datatype: "Exact3NumericText" on page 978

18.1.8.2.5.9.2.3 Decimal <Dcml>

Presence: [1..1]

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

Datatype: "Number" on page 977

18.1.8.2.5.9.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 981

18.1.8.2.5.9.3 ResultingAmount <RsltgAmt>

Presence: [1..1]

Definition: Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.2.5.9.4 ExchangeRate <XchgRate>

Presence: [1..1]

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

Datatype: "PercentageRate" on page 977

18.1.8.2.5.9.5 InvertedExchangeRate <NvrtdXchgRate>

Presence: [0..1]

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

Datatype: "PercentageRate" on page 977

18.1.8.2.5.9.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 974

18.1.8.2.5.9.7 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 974

18.1.8.2.5.9.8 SourceCurrency <SrcCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	700
	NumericCode <NmrcCd>	[0..1]	Text		701
	Decimal <Dcml>	[0..1]	Quantity		701
	Name <Nm>	[0..1]	Text		701

18.1.8.2.5.9.8.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

18.1.8.2.5.9.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 978

18.1.8.2.5.9.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 977

18.1.8.2.5.9.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 981

18.1.8.2.5.9.9 OriginalAmount <OrgnlAmt>

Presence: [1..1]

Definition: Original amount in the source currency.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActualAmount <ActlAmt>	[0..1]	Amount		701
	MinimumAmount <MinAmt>	[0..1]	Amount		701
	MaximumAmount <MaxAmt>	[0..1]	Amount		702

18.1.8.2.5.9.9.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.2.5.9.9.2 MinimumAmount <MinAmt>

Presence: [0..1]

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

Datatype: ["ImpliedCurrencyAndAmount" on page 908](#)

18.1.8.2.5.9.9.3 MaximumAmount <MaxAmt>

Presence: [0..1]

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

Datatype: ["ImpliedCurrencyAndAmount" on page 908](#)

18.1.8.2.5.9.10 CommissionDetails <ComssnDtls>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		702

18.1.8.2.5.9.10.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: ["ImpliedCurrencyAndAmount" on page 908](#)

18.1.8.2.5.9.10.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: ["Max350Text" on page 980](#)

18.1.8.2.5.9.11 MarkupDetails <MrkUpDtls>

Presence: [0..*]

Definition: Markup made as part of a currency conversion.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[1..1]	Rate		702
	AdditionalInformation <AddtlInf>	[0..1]	Text		703

18.1.8.2.5.9.11.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: ["PercentageRate" on page 977](#)

18.1.8.2.5.9.11.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: "Max350Text" on page 980

18.1.8.2.5.9.12 DeclarationDetails <Dclrtndtls>

Presence: [0..*]

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

DeclarationDetails <Dclrtndtls> contains the following elements (see "ActionMessage9" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.8.2.6 CustomerOrder <CstmrOrdr>

Presence: [0..*]

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

CustomerOrder <CstmrOrd> contains the following elements (see "[CustomerOrder1](#)" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

18.1.8.2.7 ImageCapturedSignature <ImgCaptrdSgntr>

Presence: [0..1]

Definition: Numeric value of a handwritten signature.

ImageCapturedSignature <ImgCaptrdSgntr> contains the following **CapturedSignature1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ImageFormat <ImgFrmt>	[1..1]	Text		704
	ImageData <ImgData>	[0..1]	Binary		704
	ImageReference <ImgRef>	[0..1]	Text		705
	AdditionalInformation <AddtlInf>	[0..1]	Text		705

18.1.8.2.7.1 ImageFormat <ImgFrmt>

Presence: [1..1]

Definition: Format of the image.

Datatype: "[Max35Text](#)" on page 981

18.1.8.2.7.2 ImageData <ImgData>

Presence: [0..1]

Definition: Data of the image.

Datatype: "[Max2MBBinary](#)" on page 910

18.1.8.2.7.3 ImageReference <ImgRef>

Presence: [0..1]

Definition: URL or name of the image.

Datatype: "Max500Text" on page 982

18.1.8.2.7.4 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information for the image.

Datatype: "Max140Text" on page 979

18.1.8.2.8 ProtectedCapturedSignature <PrctcdCaptrdSgntr>

Presence: [0..1]

Definition: Protected value of a handwritten signature.

ProtectedCapturedSignature <PrctcdCaptrdSgntr> contains the following elements (see "ContentInformationType32" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.8.2.9 MerchantOverrideFlag <MrchntOvrrdFlg>

Presence: [0..1]

Definition: Indicate that the Merchant forced the result of the payment to successful.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.2.10 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 942

Constraints

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

18.1.8.2.11 OnlineFlag <OnlnFlg>

Presence: [0..1]

Definition: Indicate that the payment transaction processing has required the approval of an acquirer.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.3 RecurringTransaction4

Definition: Financial loan (instalment) or a recurring transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InstalmentPlan <InstlmtPlan>	[0..*]	CodeSet		706
	PlanIdentification <PlanId>	[0..1]	Text		707
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		707
	SequenceNumber <SeqNb>	[0..1]	Quantity		707
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		707
	InstalmentPeriod <InstlmtPrd>	[0..1]	Quantity		708
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		708
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		708
	TotalAmount <TtlAmt>	[0..1]	Amount	C7	708
	FirstAmount <FrstAmt>	[0..1]	Amount		708
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		708
	LastAmount <LastAmt>	[0..1]	Amount		709
	Charges <Chrgs>	[0..1]	Amount		709
	DetailedCharges <DtldChrgs>	[0..*]	±		709
	InterestRate <IntrstRate>	[0..*]			709
	Type <Tp>	[0..1]	CodeSet		709
	OtherType <OthrTp>	[0..1]	Text		710
	Period <Prd>	[1..1]	CodeSet		710
	Rate <Rate>	[1..1]	Rate		710
	GracePeriod <GracePrd>	[0..*]	±		710

18.1.8.3.1 InstalmentPlan <InstlmtPlan>

Presence: [0..*]

Definition: Type of instalment plan.

Datatype: "InstalmentPlan1Code" on page 941

CodeName	Name	Definition
EQPM	EqualPayment	The payment is split in several instalments of equal amounts.

CodeName	Name	Definition
NQPM	InequalPayment	The payment is split in several instalments of different amounts.
DFRI	DeferredInstalment	The first instalment is deferred.

18.1.8.3.2 PlanIdentification <PlanId>

Presence: [0..1]

Definition: Identification of the instalment plan.

Datatype: "Max35Text" on page 981

18.1.8.3.3 PlanOwner <PlanOwnr>

Presence: [0..1]

Definition: Type of the Plan Owner.

Datatype: "PlanOwner1Code" on page 950

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.

18.1.8.3.4 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Indicates the recurring/instalment occurrence of the transaction (1 = 1st instalment, 2 = 2nd instalment, etc.).

Datatype: "Number" on page 977

18.1.8.3.5 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period unit between consecutive payments (for example day, month, year).

Datatype: "Frequency3Code" on page 938

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.
MNTH	Monthly	Event takes place every month or once a month.
QURT	Quarterly	Event takes place every three months or four times a year.
MIAN	SemiAnnual	Event takes place every six months or two times a year.
WEEK	Weekly	Event takes place once a week.

CodeName	Name	Definition
DAIL	Daily	Event takes place every day.
TEND	TenDays	Event takes place every ten business days.

18.1.8.3.6 InstalmentPeriod <InstlmtPrd>

Presence: [0..1]

Definition: Number of period units between consecutive payments.

Datatype: "Number" on page 977

18.1.8.3.7 TotalNumberOfPayments <TtlNbOfPmts>

Presence: [0..1]

Definition: Total number of instalment payments.

Datatype: "Number" on page 977

18.1.8.3.8 FirstPaymentDate <FrstPmtDt>

Presence: [0..1]

Definition: Date of the first payment.

Datatype: "ISODate" on page 974

18.1.8.3.9 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Cumulative amount of all the instalments.

Impacted by: C7 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 908

Constraints

- **ValidationByTable**

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

18.1.8.3.10 FirstAmount <FrstAmt>

Presence: [0..1]

Definition: Amount of the first payment.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.3.11 SubsequentAmount <SbsqntAmt>

Presence: [0..1]

Definition: Amount of subsequent payments but the first one.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.3.12 LastAmount <LastAmt>

Presence: [0..1]

Definition: Amount of the last payment.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.3.13 Charges <Chrgs>

Presence: [0..1]

Definition: Charges related to the transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.3.14 DetailedCharges <DtldChrgs>

Presence: [0..*]

Definition: Contains the charge details of an instalment plan.

DetailedCharges <DtldChrgs> contains the following elements (see "InstalmentAmountDetails1" on page 618 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		618
	OtherType <OthrTp>	[0..1]	Text		619
	SubType <SubTp>	[0..1]	Text		619
	Amount <Amt>	[0..1]	±		619
	Percentage <Pctg>	[0..1]	Rate		619

18.1.8.3.15 InterestRate <IntrstRate>

Presence: [0..*]

Definition: Details of the interest rate.

InterestRate <IntrstRate> contains the following **InterestRateDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		709
	OtherType <OthrTp>	[0..1]	Text		710
	Period <Prd>	[1..1]	CodeSet		710
	Rate <Rate>	[1..1]	Rate		710

18.1.8.3.15.1 Type <Tp>

Presence: [0..1]

Definition: Interest rate applicable to the instalment.

Datatype: "InterestRate1Code" on page 941

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

18.1.8.3.15.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of interest applied to the instalment, when Type is OtherNational or OtherPrivate.

Datatype: "Max35Text" on page 981

18.1.8.3.15.3 Period <Prd>

Presence: [1..1]

Definition: Contains instalment period

Datatype: "InstalmentPeriod1Code" on page 940

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

18.1.8.3.15.4 Rate <Rate>

Presence: [1..1]

Definition: Rate expressed as a decimal, example, 0.7 is 7/10 and 70%.

Datatype: "BaseOneRate" on page 977

18.1.8.3.16 GracePeriod <GracePrd>

Presence: [0..*]

Definition: Contains grace period details.

GracePeriod <GracePrd> contains the following elements (see "GracePeriod1" on page 624 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		624
	UnitType <UnitTp>	[1..1]	CodeSet		624
	OtherUnitType <OthrUnitTp>	[0..1]	Text		624

18.1.8.4 PaymentReceipt4

Definition: Customer or Merchant receipts generated by the POI system.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		711
	IntegratedPrintFlag <IntgrtdPrtFlg>	[0..1]	Indicator		711
	RequiredSignatureFlag <ReqrdsGntrFlg>	[0..1]	Indicator		711
	OutputContent <OutptCntt>	[1..1]	±		712

18.1.8.4.1 DocumentQualifier <DocQlfr>

Presence: [1..1]

Definition: Qualification of the document to print to the Cashier or the Customer.

Datatype: "DocumentType7Code" on page 935

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.

18.1.8.4.2 IntegratedPrintFlag <IntgrtdPrtFlg>

Presence: [0..1]

Definition: Flag is the print is integrated to other prints.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.4.3 RequiredSignatureFlag <ReqrdsGntrFlg>

Presence: [0..1]

Definition: Flag to indicate that the cardholder payment receipt requires a signature by the customer.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.4.4 OutputContent <OutptCntt>

Presence: [1..1]

Definition: Document to print.

OutputContent <OutptCntt> contains the following elements (see "[ActionMessage9](#)" on page 792 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstrn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.8.5 LoyaltyAccount3

Definition: Loyalty Account description.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <Ltyld>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

18.1.8.5.1 LoyaltyIdentification <Ltyld>

Presence: [1..1]

Definition: Identification of Loyalty Account.

Datatype: "Max35Text" on page 981

18.1.8.5.2 EntryMode <NtryMd>

Presence: [0..1]

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

Datatype: "CardDataReading8Code" on page 926

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.

CodeName	Name	Definition
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

18.1.8.5.3 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Loyalty Account.

Datatype: "CardIdentificationType1Code" on page 928

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.

18.1.8.5.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 981

18.1.8.5.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Loyalty Account.

Datatype: "Max35Text" on page 981

18.1.8.5.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 981

18.1.8.5.7 Unit <Unit>

Presence: [0..1]

Definition: Unit of a Loyalty Account (Point or Currency).

Datatype: "AmountUnit1Code" on page 920

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

18.1.8.5.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of a Loyalty Account if any.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

18.1.8.5.9 Balance <Bal>

Presence: [0..1]

Definition: Balance of a Loyalty Account.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.6 DataSetIdentification9

Definition: Identification of a data set.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		715
	Type <Tp>	[1..1]	CodeSet		715
	Version <Vrsn>	[0..1]	Text		717
	CreationDateTime <CreDtTm>	[0..1]	DateTime		717

18.1.8.6.1 Name <Nm>

Presence: [0..1]

Definition: Name of the data set.

Datatype: "Max256Text" on page 980

18.1.8.6.2 Type <Tp>

Presence: [1..1]

Definition: Category of data set.

Datatype: "DataSetCategory17Code" on page 934

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.

18.1.8.6.3 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data set.

Datatype: "Max256Text" on page 980

18.1.8.6.4 CreationDateTime <CreDtTm>

Presence: [0..1]

Definition: Date and time of creation of the data set.

Datatype: "ISODatetime" on page 974

18.1.8.7 CardPaymentEnvironment78

Definition: Environment of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		723
	Merchant <Mrchnt>	[0..1]			723
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725
	POI <POI>	[0..1]			725
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <Grpld>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728
	Card <Card>	[0..1]			730
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733
	ServiceOption <SvcOptn>	[0..1]	Text		734

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734
	Check <Chck>	[0..1]			734
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736
	StoredValueAccount <StordValAcct>	[0..*]			736
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740
	LoyaltyAccount <LltyAcct>	[0..*]	±		740
	CustomerDevice <CstmrDvc>	[0..1]	±		740
	Wallet <Wlt>	[0..1]	±		740
	PaymentToken <PmtTkn>	[0..1]	±		741
	MerchantToken <MrchntTkn>	[0..1]	±		741
	Cardholder <Crhdldr>	[0..1]			742
	Identification <Id>	[0..1]			746
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <SclSctyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BllgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <CrdhldrId>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <DrvrId>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIscyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769
	ProtectedCardholderData <PrctcdCrhdldrData>	[0..1]	±		769
	SaleEnvironment <SaleEnv>	[0..1]			770

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LltyHdlg>	[0..1]	CodeSet		772

18.1.8.7.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer involved in the card payment.

Acquirer <Acqrr> contains the following elements (see "[Acquirer10](#)" on page 553 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		553
	ParametersVersion <ParamsVrsn>	[0..1]	Text		553

18.1.8.7.2 Merchant <Mrchnt>

Presence: [0..1]

Definition: Merchant performing the card payment transaction.

Usage: In some cases, merchant and acceptor may be regarded as the same entity.

Merchant <Mrchnt> contains the following **Organisation41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	±		723
	CommonName <CmonNm>	[0..1]	Text		724
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		724
	LocationAndContact <LctnAndCtct>	[0..1]	±		724
	SchemeData <SchmeData>	[0..1]	Text		725

18.1.8.7.2.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the merchant.

Identification <Id> contains the following elements (see "[GenericIdentification32](#)" on page 665 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		665
	Type <Tp>	[0..1]	CodeSet		665
	Issuer <Issr>	[0..1]	CodeSet		665
	ShortName <ShrtNm>	[0..1]	Text		666

18.1.8.7.2.2 CommonName <CmonNm>

Presence: [0..1]

Definition: Name of the merchant as appearing on the receipt.

Datatype: "[Max70Text](#)" on page 982

18.1.8.7.2.3 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Location category of the place where the merchant actually performed the transaction.

Datatype: "[LocationCategory4Code](#)" on page 943

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.

18.1.8.7.2.4 LocationAndContact <LctnAndCtct>

Presence: [0..1]

Definition: Location and contact information of the merchant performing the transaction.

LocationAndContact <LctnAndCtct> contains the following elements (see "[CommunicationAddress9](#)" on page 616 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PostalAddress <PstlAdr>	[0..1]	±		616
	Email <Email>	[0..1]	Text		616
	URLAddress <URLAdr>	[0..1]	Text		617
	Phone <Phne>	[0..1]	Text		617
	CustomerService <CstmrSvc>	[0..1]	Text		617
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		617

18.1.8.7.2.5 SchemeData <SchmeData>

Presence: [0..1]

Definition: Additional merchant data required by a card scheme.

Datatype: "[Max140Text](#)" on page 979

18.1.8.7.3 POI <POI>

Presence: [0..1]

Definition: Point of interaction (POI) performing the transaction.

POI <POI> contains the following **PointOfInteraction12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	±		725
	SystemName <SysNm>	[0..1]	Text		726
	GroupIdentification <Grpld>	[0..1]	Text		726
	Capabilities <Cpblties>	[0..1]	±		726
	TimeZone <TmZone>	[0..1]	Text		727
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		727
	Component <Cmpnt>	[0..*]	±		728

18.1.8.7.3.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the POI (Point Of Interaction) for the acquirer or its agent.

Identification <Id> contains the following elements (see "[GenericIdentification177](#)" on page 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwrdr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		670

18.1.8.7.3.2 SystemName <SysNm>

Presence: [0..1]

Definition: Common name assigned by the acquirer to the POI (Point Of Interaction) system.

Datatype: "[Max70Text](#)" on page 982

18.1.8.7.3.3 GroupIdentification <GrpId>

Presence: [0..1]

Definition: Identifier assigned by the merchant identifying a set of POI (Point Of Interaction) terminals performing some categories of transactions.

Datatype: "[Max35Text](#)" on page 981

18.1.8.7.3.4 Capabilities <Cpbilities>

Presence: [0..1]

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

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities9" on page 819 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		819
	CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>	[0..*]	CodeSet		820
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		820
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		821
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		821
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		821
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		821
	MessageCapabilities <MsgCpblties>	[0..*]			821
	Destination <Dstn>	[1..*]	CodeSet		822
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		822
	NumberOfLines <NbOfLines>	[0..1]	Quantity		822
	LineWidth <LineWidth>	[0..1]	Quantity		822
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	823

18.1.8.7.3.5 TimeZone <TmZone>

Presence: [0..1]

Definition: Time zone name as defined by IANA (Internet Assigned Numbers Authority) in the time zone data base. America/Chicago or Europe/Paris are examples of time zone names.

Datatype: "Max70Text" on page 982

18.1.8.7.3.6 TerminalIntegration <TermnlIntgtn>

Presence: [0..1]

Definition: Indicates the type of integration of the POI terminal in the sale environment.

Datatype: "LocationCategory3Code" on page 942

CodeName	Name	Definition
INDR	Indoor	Indoor terminal.
IPMP	InsidePump	Terminal incorporated in the pump dispensing petrol.
MPOI	MultiplePOITerminal	Multiple terminals linked to a unique sale terminal.
MPMP	MultiplePump	Outdoor terminal serving several petrol pumps.
MSLE	MultipleSaleTerminal	Terminal serving multiple sale terminals.
SSLE	SingleSaleTerminal	Terminal linked to a unique sale terminal.

CodeName	Name	Definition
VNDG	VendingMachine	Terminal integrated in a vending machine.

18.1.8.7.3.7 Component <Cmpnt>

Presence: [0..*]

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

Component <Cmpnt> contains the following elements (see "PointOfInteractionComponent12" on page 797 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		799
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		800
	Identification <Id>	[1..1]			801
	ItemNumber <ItmNb>	[0..1]	Text		801
	ProviderIdentification <PrvdrId>	[0..1]	Text		801
	Identification <Id>	[0..1]	Text		801
	SerialNumber <SrlNb>	[0..1]	Text		801
	Status <Sts>	[0..1]			801
	VersionNumber <VrsnNb>	[0..1]	Text		802
	Status <Sts>	[0..1]	CodeSet		802
	ExpiryDate <XpryDt>	[0..1]	Date		802
	StandardCompliance <StdCmplc>	[0..*]			802
	Identification <Id>	[1..1]	Text		802
	Version <Vrsn>	[1..1]	Text		803
	Issuer <Issr>	[1..1]	Text		803
	Characteristics <Chrtcs>	[0..1]			803
	Memory <Mmry>	[0..*]			804
	Identification <Id>	[1..1]	Text		805
	TotalSize <TtlSz>	[1..1]	Quantity		805
	FreeSize <FreeSz>	[1..1]	Quantity		805
	Unit <Unit>	[1..1]	CodeSet		805
	Communication <Com>	[0..*]			805
	CommunicationType <ComTp>	[1..1]	CodeSet		806
	RemoteParty <RmotPty>	[1..*]	CodeSet		807
	Active <Actv>	[1..1]	Indicator		807
	Parameters <Params>	[0..1]	±		807
	PhysicalInterface <PhysIntrfc>	[0..1]			808
	InterfaceName <IntrfcNm>	[1..1]	Text		808
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		808
	UserName <UsrNm>	[0..1]	Text		809

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccessCode <AccsCd>	[0..1]	Binary		809
	SecurityProfile <SctyPrfl>	[0..1]	Text		809
	AdditionalParameters <AddtlParams>	[0..1]	Binary		809
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		810
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		810
	SecurityElement <SctyElmt>	[0..*]	±		810
	Assessment <Assmnt>	[0..*]			810
	Type <Tp>	[1..1]	CodeSet		811
	Assigner <Assgnr>	[1..*]	Text		811
	DeliveryDate <DlrvyDt>	[0..1]	DateTime		811
	ExpirationDate <XprtnDt>	[0..1]	DateTime		811
	Number <Nb>	[1..1]	Text		811
	Package <Packg>	[0..*]			812
	PackageIdentification <PackgId>	[0..1]	±		812
	PackageLength <PackgLngh>	[0..1]	Quantity		812
	OffsetStart <OffsetStart>	[0..1]	Quantity		812
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		813
	PackageBlock <PackgBlck>	[0..*]			813
	Identification <Id>	[1..1]	Text		813
	Value <Val>	[0..1]	Binary		813
	ProtectedValue <PrctcdVal>	[0..1]	±		813
	Type <Tp>	[0..1]	Text		814

18.1.8.7.4 Card <Card>

Presence: [0..1]

Definition: Payment card performing the transaction.

Card <Card> contains the following **PaymentCard32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedCardData <PrtctdCardData>	[0..1]	±		731
	PrivateCardData <PrvtCardData>	[0..1]	Binary		731
	PlainCardData <PlainCardData>	[0..1]	±		731
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		732
	MaskedPAN <MskdPAN>	[0..1]	Text		732
	IssuerBIN <IssrBIN>	[0..1]	Text		732
	CardCountryCode <CardCtryCd>	[0..1]	Text		732
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		732
	CardProductProfile <CardPdctPrfl>	[0..1]	Text		733
	CardBrand <CardBrnd>	[0..1]	Text		733
	CardProductType <CardPdctTp>	[0..1]	CodeSet		733
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		733
	InternationalCard <IntrnlCard>	[0..1]	Indicator		733
	AllowedProduct <AllwdPdct>	[0..*]	Text		733
	ServiceOption <SvcOptn>	[0..1]	Text		734
	AdditionalCardData <AddtlCardData>	[0..1]	Text		734

18.1.8.7.4.1 ProtectedCardData <PrtctdCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a digital envelope using a cryptographic key.

ProtectedCardData <PrtctdCardData> contains the following elements (see "ContentInformationType32" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.8.7.4.2 PrivateCardData <PrvtCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a private envelope.

Datatype: "Max100KBinary" on page 909

18.1.8.7.4.3 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following elements (see "PlainCardData15" on page 622 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		622
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		623
	EffectiveDate <FctvDt>	[0..1]	Text		623
	ExpiryDate <XpryDt>	[1..1]	Text		623
	ServiceCode <SvcCd>	[0..1]	Text		623
	Track1 <Trck1>	[0..1]	Text		623
	Track2 <Trck2>	[0..1]	Text		623
	Track3 <Trck3>	[0..1]	Text		623
	CardholderName <CrdhldrNm>	[0..1]	Text		624

18.1.8.7.4.4 PaymentAccountReference <PmtAcctRef>

Presence: [0..1]

Definition: Unique reference to the card, used by both merchants and acquirers to link tokenized and non-tokenized transactions associated to the same underlying card.

Datatype: "Max70Text" on page 982

18.1.8.7.4.5 MaskedPAN <MskdPAN>

Presence: [0..1]

Definition: Masked PAN to be printed on payment receipts or displayed to the cardholder. Masked digits may be absent or replaced by another character as '*'.

Datatype: "Max30Text" on page 980

18.1.8.7.4.6 IssuerBIN <IssrBIN>

Presence: [0..1]

Definition: Bank identifier number of the issuer for routing purpose.

Datatype: "Max15NumericText" on page 979

18.1.8.7.4.7 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 981

18.1.8.7.4.8 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 978

18.1.8.7.4.9 CardProductProfile <CardPdctPrfl>

Presence: [0..1]

Definition: Defines a category of cards related to the acceptance processing rules defined by the acquirer.

Datatype: "Max35Text" on page 981

18.1.8.7.4.10 CardBrand <CardBrnd>

Presence: [0..1]

Definition: Brand name of the card.

Datatype: "Max35Text" on page 981

18.1.8.7.4.11 CardProductType <CardPdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "CardProductType1Code" on page 931

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.

18.1.8.7.4.12 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Additional information to identify CardProduct.

Datatype: "Max35Text" on page 981

18.1.8.7.4.13 InternationalCard <IntrnlCard>

Presence: [0..1]

Definition: True if the card may be used abroad.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.7.4.14 AllowedProduct <AllwdPdct>

Presence: [0..*]

Definition: Product that can be purchased with the card.

Datatype: "Max70Text" on page 982

18.1.8.7.4.15 ServiceOption <SvcOptn>

Presence: [0..1]

Definition: Options to the service provided by the card.

Datatype: "Max35Text" on page 981

18.1.8.7.4.16 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 982

18.1.8.7.5 Check <Chck>

Presence: [0..1]

Definition: Check Payment instrument.

Check <Chck> contains the following **Check1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BankIdentification <Bkld>	[0..1]	Text		734
	AccountNumber <AcctNb>	[0..1]	Text		734
	CheckNumber <ChckNb>	[0..1]	Text		734
	CheckCardNumber <ChckCardNb>	[0..1]	Text		735
	CheckTrackData2 <ChckTrckData2>	[0..1]			735
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736
	CheckType <ChckTp>	[0..1]	CodeSet		736
	Country <Ctry>	[0..1]	Text		736

18.1.8.7.5.1 BankIdentification <Bkld>

Presence: [0..1]

Definition: Identification of the institution (bank) issuing the check.

Datatype: "Max35Text" on page 981

18.1.8.7.5.2 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Identification of the account linked to the check.

Datatype: "Max35Text" on page 981

18.1.8.7.5.3 CheckNumber <ChckNb>

Presence: [0..1]

Definition: Identification of the check.

Datatype: "Max35Text" on page 981

18.1.8.7.5.4 CheckCardNumber <ChckCardNb>

Presence: [0..1]

Definition: Check guarantee card number.

The human readable number from the Check Guarantee Card that is presented during the check tendering process.

Datatype: "Max35Text" on page 981

18.1.8.7.5.5 CheckTrackData2 <ChckTrckData2>

Presence: [0..1]

Definition: Track Data of the check to digitally identify the data.

CheckTrackData2 <ChckTrckData2> contains the following **TrackData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TrackNumber <TrckNb>	[0..1]	Quantity		735
	TrackFormat <TrckFrmt>	[0..1]	CodeSet		735
	TrackValue <TrckVal>	[1..1]	Text		736

18.1.8.7.5.5.1 TrackNumber <TrckNb>

Presence: [0..1]

Definition: Track number of the card.

Datatype: "Number" on page 977

18.1.8.7.5.5.2 TrackFormat <TrckFrmt>

Presence: [0..1]

Definition: Card or check track format.

Datatype: "TrackFormat1Code" on page 970

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	JIS1Format	Japanese track format I.

CodeName	Name	Definition
JIS2	JISIIFormat	Japanese track format II.

18.1.8.7.5.5.3 TrackValue <TrckVal>

Presence: [1..1]

Definition: Card track content or equivalent.

Datatype: "Max140Text" on page 979

18.1.8.7.5.6 CheckType <ChckTp>

Presence: [0..1]

Definition: Type of the check (personal or professional).

Datatype: "CheckType1Code" on page 932

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.

18.1.8.7.5.7 Country <Ctry>

Presence: [0..1]

Definition: Country of the check.

Datatype: "Max3Text" on page 981

18.1.8.7.6 StoredValueAccount <StordValAcct>

Presence: [0..*]

Definition: Store value account payment instrument.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		737
	IdentificationType <IdTp>	[0..1]	CodeSet		738
	Identification <Id>	[0..1]	Text		738
	Brand <Brnd>	[0..1]	Text		738
	Provider <Prvdr>	[0..1]	Text		738
	OwnerName <OwnrNm>	[0..1]	Text		738
	ExpiryDate <XpryDt>	[0..1]	Text		739
	EntryMode <NtryMd>	[0..1]	CodeSet		739
	Currency <Ccy>	[0..1]	CodeSet	C1	739
	Balance <Bal>	[0..1]	Amount		740

18.1.8.7.6.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 966

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.

18.1.8.7.6.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 928

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.

18.1.8.7.6.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 981

18.1.8.7.6.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 981

18.1.8.7.6.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 981

18.1.8.7.6.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 981

18.1.8.7.6.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 978

18.1.8.7.6.8 EntryMode <NtryMd>

Presence: [0..1]

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

Datatype: "CardDataReading8Code" on page 926

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.)

18.1.8.7.6.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

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

18.1.8.7.6.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.7.7 LoyaltyAccount <LtyAcct>

Presence: [0..*]

Definition: Store value account associated to the payment.

LoyaltyAccount <LtyAcct> contains the following elements (see "[LoyaltyAccount3](#)" on page 712 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LoyaltyIdentification <LtyId>	[1..1]	Text		713
	EntryMode <NtryMd>	[0..1]	CodeSet		713
	IdentificationType <IdTp>	[0..1]	CodeSet		714
	Brand <Brnd>	[0..1]	Text		714
	Provider <Prvdr>	[0..1]	Text		714
	OwnerName <OwnrNm>	[0..1]	Text		714
	Unit <Unit>	[0..1]	CodeSet		714
	Currency <Ccy>	[0..1]	CodeSet	C1	715
	Balance <Bal>	[0..1]	Amount		715

18.1.8.7.8 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Device used by the customer to perform the payment transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "[CustomerDevice3](#)" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		816
	Type <Tp>	[0..1]	Text		816
	Provider <Prvdr>	[0..1]	Text		816

18.1.8.7.9 Wallet <Wllt>

Presence: [0..1]

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

Wallet <Wlt> contains the following elements (see "[CustomerDevice3](#)" on page 816 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		816
	Type <Tp>	[0..1]	Text		816
	Provider <Prvdr>	[0..1]	Text		816

18.1.8.7.10 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Payment token information.

PaymentToken <PmtTkn> contains the following elements (see "[Token1](#)" on page 903 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		903
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		903
	TokenRequestorIdentification <TknRqstrId>	[0..1]	Text		903
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		903
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		904
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		904

18.1.8.7.11 MerchantToken <MrchntTkn>

Presence: [0..1]

Definition: Merchant token information.

MerchantToken <MrchntTkn> contains the following elements (see "[MerchantToken2](#)" on page 904 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		904
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		904
	TokenCharacteristic <TknChrtc>	[0..*]	Text		905
	TokenRequestor <TknRqstr>	[0..1]			905
	ProviderIdentification <PrvdrId>	[1..1]	Text		905
	RequestorIdentification <RqstrId>	[1..1]	Text		905
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		905
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		905
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		905
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		906

18.1.8.7.12 Cardholder <Crdhdr>

Presence: [0..1]

Definition: Cardholder involved in the card payment.

Cardholder <Crhdldr> contains the following **Cardholder18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]			746
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <SciSctyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749
	Name <Nm>	[0..1]	Text		749
	Language <Lang>	[0..1]	CodeSet	C6	749
	BillingAddress <BllgAdr>	[0..1]	±		750
	ShippingAddress <ShppgAdr>	[0..1]	±		750
	TripNumber <TripNb>	[0..1]	Text		751
	Vehicle <Vhcl>	[0..1]	±		751
	Authentication <Authntcn>	[0..*]			752
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBick>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <Crhdldrld>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <Drvrld>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrldNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeeldNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763
	TransactionVerificationResult <TxVrfctnRslt>	[0..*]			763
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <Rslt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRslt>	[0..1]	Text		765
	PersonalData <PrsnlData>	[0..1]	Text		766
	MobileData <MobData>	[0..*]			766
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768
	SensitiveMobileData <SnstvMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrctcdMobData>	[0..1]	±		769

18.1.8.7.12.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the cardholder involved in a transaction.

Identification <Id> contains the following **PersonIdentification15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		746
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		746
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		747
	DriverIdentification <DrvrId>	[0..1]	Text		747
	CustomerNumber <CstmrNb>	[0..1]	Text		747
	SocialSecurityNumber <ScIscTyNb>	[0..1]	Text		747
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		747
	PassportNumber <PsptNb>	[0..1]	Text		747
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		747
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		747
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		748
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		748
	JobNumber <JobNb>	[0..1]	Text		748
	Department <Dept>	[0..1]	Text		748
	EmailAddress <EmailAdr>	[0..1]	Text		748
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			748
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749
	Other <Othr>	[0..*]	±		749

18.1.8.7.12.1.1 DriverLicenseNumber <DrvrLicNb>

Presence: [0..1]

Definition: Number assigned by a license authority to a driver's license.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.2 DriverLicenseLocation <DrvrLicLctn>

Presence: [0..1]

Definition: Country, state or province, issuer of the driver license.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.3 DriverLicenseName <DrvrLicNm>

Presence: [0..1]

Definition: Name or title of the driver license.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.4 DriverIdentification <DrvrId>

Presence: [0..1]

Definition: Identification of the driver in the fleet of vehicle.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.5 CustomerNumber <CstmrNb>

Presence: [0..1]

Definition: Number assigned by an agent to identify its customer.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.6 SocialSecurityNumber <SciSctyNb>

Presence: [0..1]

Definition: Number assigned by a social security agency.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.7 AlienRegistrationNumber <AlnRegnNb>

Presence: [0..1]

Definition: Number assigned by a government agency to identify foreign nationals.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.8 PassportNumber <PsptNb>

Presence: [0..1]

Definition: Number assigned by a passport authority to a passport.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.9 TaxIdentificationNumber <TaxIdNb>

Presence: [0..1]

Definition: Number assigned by a tax authority to an entity.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.10 IdentityCardNumber <IdntyCardNb>

Presence: [0..1]

Definition: Number assigned by a national authority to an identity card.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.11 EmployerIdentificationNumber <MplyrIdNb>

Presence: [0..1]

Definition: Number assigned to an employer by a registration authority.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.12 EmployeeIdentificationNumber <MplyeIdNb>

Presence: [0..1]

Definition: Number assigned to an employee by a employer.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.13 JobNumber <JobNb>

Presence: [0..1]

Definition: Identification of the job.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.14 Department <Dept>

Presence: [0..1]

Definition: Identification of the department.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.15 EmailAddress <EmailAdr>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: "Max256Text" on page 980

18.1.8.7.12.1.16 DateAndPlaceOfBirth <DtAndPlcOfBirth>

Presence: [0..1]

Definition: Date and place of birth of a person.

DateAndPlaceOfBirth <DtAndPlcOfBirth> contains the following **DateAndPlaceOfBirth1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BirthDate <BirthDt>	[1..1]	Date		748
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		749
	CityOfBirth <CityOfBirth>	[1..1]	Text		749
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	749

18.1.8.7.12.1.16.1 BirthDate <BirthDt>

Presence: [1..1]

Definition: Date on which a person is born.

Datatype: "ISODate" on page 974

18.1.8.7.12.1.16.2 ProvinceOfBirth <PrvcOfBirth>

Presence: [0..1]

Definition: Province where a person was born.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.16.3 CityOfBirth <CityOfBirth>

Presence: [1..1]

Definition: City where a person was born.

Datatype: "Max35Text" on page 981

18.1.8.7.12.1.16.4 CountryOfBirth <CtryOfBirth>

Presence: [1..1]

Definition: Country where a person was born.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 932

Constraints

- **Country**

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

18.1.8.7.12.1.17 Other <Othr>

Presence: [0..*]

Definition: Unique identification of a person, as assigned by an institution, using an identification scheme.

Other <Othr> contains the following elements (see "GenericIdentification4" on page 674 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		674
	IdentificationType <IdTp>	[1..1]	Text		674

18.1.8.7.12.2 Name <Nm>

Presence: [0..1]

Definition: Cardholder name associated with the card.

Datatype: "Max45Text" on page 981

18.1.8.7.12.3 Language <Lang>

Presence: [0..1]

Definition: Language selected for the cardholder interface during the transaction.

Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 942

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

18.1.8.7.12.4 BillingAddress <BllgAdr>

Presence: [0..1]

Definition: Postal address of the owner of the payment card.

BillingAddress <BllgAdr> contains the following elements (see "PostalAddress22" on page 845 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		846
	Department <Dept>	[0..1]	Text		846
	SubDepartment <SubDept>	[0..1]	Text		846
	AddressLine <AdrLine>	[0..2]	Text		846
	StreetName <StrtNm>	[0..1]	Text		847
	BuildingNumber <BldgNb>	[0..1]	Text		847
	PostCode <PstCd>	[0..1]	Text		847
	TownName <TwnNm>	[0..1]	Text		847
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		847
	CountryCode <CtryCd>	[0..1]	Text		847

18.1.8.7.12.5 ShippingAddress <ShppgAdr>

Presence: [0..1]

Definition: Postal address for delivery of goods or services.

ShippingAddress <ShppgAdr> contains the following elements (see "PostalAddress22" on page 845 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		846
	Department <Dept>	[0..1]	Text		846
	SubDepartment <SubDept>	[0..1]	Text		846
	AddressLine <AdrLine>	[0..2]	Text		846
	StreetName <StrtNm>	[0..1]	Text		847
	BuildingNumber <BldgNb>	[0..1]	Text		847
	PostCode <PstCd>	[0..1]	Text		847
	TownName <TwnNm>	[0..1]	Text		847
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		847
	CountryCode <CtryCd>	[0..1]	Text		847

18.1.8.7.12.6 TripNumber <TripNb>

Presence: [0..1]

Definition: Identification of the trip.

Datatype: "Max35Text" on page 981

18.1.8.7.12.7 Vehicle <Vhcl>

Presence: [0..1]

Definition: Information related to the vehicle used for the transaction.

Vehicle <Vhcl> contains the following elements (see "Vehicle1" on page 830 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VehicleNumber <VhclNb>	[0..1]	Text		831
	TrailerNumber <TrlrNb>	[0..1]	Text		831
	VehicleTag <VhclTag>	[0..1]	Text		832
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		832
	UnitNumber <UnitNb>	[0..1]	Text		832
	ReplacementCar <RplcmntCar>	[0..1]	Indicator		832
	Odometer <Odmtr>	[0..1]	Quantity		832
	Hubometer <Hbmtr>	[0..1]	Quantity		833
	TrailerHours <TrlrHrs>	[0..1]	Text		833
	ReferHours <RefrHrs>	[0..1]	Text		833
	Maintenanceldentification <Mntncld>	[0..1]	Text		833
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			833
	PAN <PAN>	[0..1]	Text		833
	Track1 <Trck1>	[0..1]	Text		834
	Track2 <Trck2>	[0..1]	Text		834
	Track3 <Trck3>	[0..1]	Text		834
	AdditionalCardData <AddtlCardData>	[0..*]	Text		834
	EntryMode <NtryMd>	[0..1]	CodeSet		834
	AdditionalVehicleData <AddtlVhclData>	[0..*]			835
	Type <Tp>	[0..1]	Text		835
	EntryMode <NtryMd>	[0..1]	CodeSet		835
	Data <Data>	[1..1]	Text		836

18.1.8.7.12.8 Authentication <Authntcn>

Presence: [0..*]

Definition: Method and data intended to be used for this transaction to authenticate the cardholder and its card.

Authentication <Authntcn> contains the following **CardholderAuthentication15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationMethod <AuthntcnMtd>	[0..1]	CodeSet		754
	AuthenticationExemption <AuthntcnXmptn>	[0..1]	CodeSet		755
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		756
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		756
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]			756
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757
	CardholderIdentification <CrhdldrId>	[0..1]			757
	DriverLicenseNumber <DrvrLicNb>	[0..1]	Text		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <DrvrId>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <SciSctyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761
	AddressVerification <AdrVrfctn>	[0..1]			761

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762
	AuthenticationType <AuthntcnTp>	[0..1]	Text		762
	AuthenticationLevel <AuthntcnLvl>	[0..1]	Text		762
	AuthenticationResult <AuthntcnRslt>	[0..1]	CodeSet		762
	AuthenticationAdditionalInformation <AuthntcnAddtlInf>	[0..1]			762
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763

18.1.8.7.12.8.1 AuthenticationMethod <AuthntcnMtd>

Presence: [0..1]

Definition: Method and data intended to be used for this transaction to authenticate the cardholder or its card.

Datatype: "AuthenticationMethod8Code" on page 922

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.

18.1.8.7.12.8.2 AuthenticationExemption <AuthntcnXmptn>

Presence: [0..1]

Definition: If Strong Customer Authentication is not mandated to process the transaction, this message element must identify the reason of exemption.

Datatype: "Exemption1Code" on page 937

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.

18.1.8.7.12.8.3 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Value used to authenticate the cardholder.

Datatype: "Max5000Binary" on page 910

18.1.8.7.12.8.4 ProtectedAuthenticationValue <PrctcdAuthntcnVal>

Presence: [0..1]

Definition: Protection of the authentication value.

ProtectedAuthenticationValue <PrctcdAuthntcnVal> contains the following elements (see "ContentInformationType32" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.8.7.12.8.5 CardholderOnLinePIN <CrhdldrOnLinePIN>

Presence: [0..1]

Definition: Encrypted personal identification number (PIN) and related information.

CardholderOnLinePIN <CrhdldrOnLinePIN> contains the following **OnLinePIN9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		756
	PINFormat <PINFrmt>	[1..1]	CodeSet		757
	AdditionalInput <AddtlInpt>	[0..1]	Text		757

18.1.8.7.12.8.5.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see
"ContentInformationType32" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.8.7.12.8.5.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 949

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.

18.1.8.7.12.8.5.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6 CardholderIdentification <CrdhldrId>

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		758
	DriverLicenseLocation <DrvrLicLctn>	[0..1]	Text		758
	DriverLicenseName <DrvrLicNm>	[0..1]	Text		758
	DriverIdentification <DrvrId>	[0..1]	Text		759
	CustomerNumber <CstmrNb>	[0..1]	Text		759
	SocialSecurityNumber <ScIScItyNb>	[0..1]	Text		759
	AlienRegistrationNumber <AlnRegnNb>	[0..1]	Text		759
	PassportNumber <PsptNb>	[0..1]	Text		759
	TaxIdentificationNumber <TaxIdNb>	[0..1]	Text		759
	IdentityCardNumber <IdntyCardNb>	[0..1]	Text		759
	EmployerIdentificationNumber <MplyrIdNb>	[0..1]	Text		759
	EmployeeIdentificationNumber <MplyeIdNb>	[0..1]	Text		760
	JobNumber <JobNb>	[0..1]	Text		760
	Department <Dept>	[0..1]	Text		760
	EmailAddress <EmailAdr>	[0..1]	Text		760
	DateAndPlaceOfBirth <DtAndPlcOfBirth>	[0..1]			760
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761
	Other <Othr>	[0..*]	±		761

18.1.8.7.12.8.6.1 DriverLicenseNumber <DrvrLicNb>

Presence: [0..1]

Definition: Number assigned by a license authority to a driver's license.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.2 DriverLicenseLocation <DrvrLicLctn>

Presence: [0..1]

Definition: Country, state or province, issuer of the driver license.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.3 DriverLicenseName <DrvrLicNm>

Presence: [0..1]

Definition: Name or title of the driver license.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.4 DriverIdentification <DrvrlId>

Presence: [0..1]

Definition: Identification of the driver in the fleet of vehicle.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.5 CustomerNumber <CstmrNb>

Presence: [0..1]

Definition: Number assigned by an agent to identify its customer.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.6 SocialSecurityNumber <ScIStctyNb>

Presence: [0..1]

Definition: Number assigned by a social security agency.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.7 AlienRegistrationNumber <AlnRegnNb>

Presence: [0..1]

Definition: Number assigned by a government agency to identify foreign nationals.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.8 PassportNumber <PsptNb>

Presence: [0..1]

Definition: Number assigned by a passport authority to a passport.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.9 TaxIdentificationNumber <TaxIdNb>

Presence: [0..1]

Definition: Number assigned by a tax authority to an entity.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.10 IdentityCardNumber <IdntyCardNb>

Presence: [0..1]

Definition: Number assigned by a national authority to an identity card.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.11 EmployerIdentificationNumber <MplyrIdNb>

Presence: [0..1]

Definition: Number assigned to an employer by a registration authority.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.12 EmployeeIdentificationNumber <MplyeeldNb>

Presence: [0..1]

Definition: Number assigned to an employee by a employer.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.13 JobNumber <JobNb>

Presence: [0..1]

Definition: Identification of the job.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.14 Department <Dept>

Presence: [0..1]

Definition: Identification of the department.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.15 EmailAddress <EmailAdr>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: "Max256Text" on page 980

18.1.8.7.12.8.6.16 DateAndPlaceOfBirth <DtAndPlcOfBirth>

Presence: [0..1]

Definition: Date and place of birth of a person.

DateAndPlaceOfBirth <DtAndPlcOfBirth> contains the following **DateAndPlaceOfBirth1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BirthDate <BirthDt>	[1..1]	Date		760
	ProvinceOfBirth <PrvcOfBirth>	[0..1]	Text		760
	CityOfBirth <CityOfBirth>	[1..1]	Text		761
	CountryOfBirth <CtryOfBirth>	[1..1]	CodeSet	C3	761

18.1.8.7.12.8.6.16.1 BirthDate <BirthDt>

Presence: [1..1]

Definition: Date on which a person is born.

Datatype: "ISODate" on page 974

18.1.8.7.12.8.6.16.2 ProvinceOfBirth <PrvcOfBirth>

Presence: [0..1]

Definition: Province where a person was born.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.16.3 CityOfBirth <CityOfBirth>

Presence: [1..1]

Definition: City where a person was born.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.6.16.4 CountryOfBirth <CtryOfBirth>

Presence: [1..1]

Definition: Country where a person was born.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 932

Constraints

- **Country**

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

18.1.8.7.12.8.6.17 Other <Othr>

Presence: [0..*]

Definition: Unique identification of a person, as assigned by an institution, using an identification scheme.

Other <Othr> contains the following elements (see "GenericIdentification4" on page 674 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		674
	IdentificationType <IdTp>	[1..1]	Text		674

18.1.8.7.12.8.7 AddressVerification <AdrVrfctn>

Presence: [0..1]

Definition: Numeric characters of the cardholder's billing or shipping address for verification.

AddressVerification <AdrVrfctn> contains the following **AddressVerification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressDigits <AdrDgts>	[0..1]	Text		761
	PostalCodeDigits <PstlCdDgts>	[0..1]	Text		762

18.1.8.7.12.8.7.1 AddressDigits <AdrDgts>

Presence: [0..1]

Definition: Numeric characters from the cardholder's address excluding the postal code (that is street number).

Datatype: "Max5NumericText" on page 982

18.1.8.7.12.8.7.2 PostalCodeDigits <PstlCdDgts>

Presence: [0..1]

Definition: Numeric characters from the cardholder's postal code.

Datatype: "Max5NumericText" on page 982

18.1.8.7.12.8.8 AuthenticationType <AuthntcnTp>

Presence: [0..1]

Definition: Type of authentication for a given method - e.g. three-domain authentication, scheme-proprietary authentication, etc.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.9 AuthenticationLevel <AuthntcnLvl>

Presence: [0..1]

Definition: Level of authentication for a given type - e.g. value assigned by scheme rules or by bilateral agreements.

Datatype: "Max35Text" on page 981

18.1.8.7.12.8.10 AuthenticationResult <AuthntcnRslt>

Presence: [0..1]

Definition: Result of authentication.

Datatype: "AuthenticationResult1Code" on page 923

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.

18.1.8.7.12.8.11 AuthenticationAdditionalInformation <AuthntcnAddtlInf>

Presence: [0..1]

Definition: Additional information related to the result of the authentication.

AuthenticationAdditionalInformation <AuthntcnAddtlInf> contains the following
ExternallyDefinedData3 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		763
	Value <Val>	[0..1]	Binary		763
	ProtectedValue <PrctcdVal>	[0..1]	±		763
	Type <Tp>	[0..1]	Text		763

18.1.8.7.12.8.11.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 978

18.1.8.7.12.8.11.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 909

18.1.8.7.12.8.11.3 ProtectedValue <PrctcdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrctcdVal> contains the following elements (see "ContentInformationType30" on page 874 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		875
	EnvelopedData <EnvlpdData>	[0..1]	±		875
	AuthenticatedData <AuthntcdData>	[0..1]	±		876
	SignedData <SgndData>	[0..1]	±		877
	DigestedData <DgstdData>	[0..1]	±		878

18.1.8.7.12.8.11.4 Type <Tp>

Presence: [0..1]

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

Datatype: "Max1025Text" on page 978

18.1.8.7.12.9 TransactionVerificationResult <TxVrfctnRslt>

Presence: [0..*]

Definition: Result of performed verifications for the transaction.

TransactionVerificationResult <TxVrfctnRsIt> contains the following
TransactionVerificationResult4 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		764
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		765
	Result <RsIt>	[0..1]	CodeSet		765
	AdditionalResult <AddtlRsIt>	[0..1]	Text		765

18.1.8.7.12.9.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod6Code" on page 921

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.

18.1.8.7.12.9.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 921

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.

18.1.8.7.12.9.3 Result <RsIt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 974

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.

18.1.8.7.12.9.4 AdditionalResult <AddtlRsIt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 982

18.1.8.7.12.10 PersonalData <PrsnlData>

Presence: [0..1]

Definition: Identifies personal data related to the cardholder.

Datatype: "Max70Text" on page 982

18.1.8.7.12.11 MobileData <MobData>

Presence: [0..*]

Definition: Data related to the mobile of stakeholder.

MobileData <MobData> contains the following **MobileData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MobileCountryCode <MobCtryCd>	[0..1]	Text		766
	MobileNetworkCode <MobNtwkCd>	[0..1]	Text		766
	MobileMaskedMSISDN <MobMskdMSISDN>	[0..1]	Text		767
	Geolocation <Glctn>	[0..1]			767
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwrld>	[1..1]	Text		768
	UTMNorthward <UTMNrthwrld>	[1..1]	Text		768
	SensitiveMobileData <SnstvlMobData>	[0..1]			768
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769
	ProtectedMobileData <PrtctdMobData>	[0..1]	±		769

18.1.8.7.12.11.1 MobileCountryCode <MobCtryCd>

Presence: [0..1]

Definition: Identifies the country of a mobile phone operator.

Datatype: "Min2Max3AlphaText" on page 983

18.1.8.7.12.11.2 MobileNetworkCode <MobNtwkCd>

Presence: [0..1]

Definition: Identifies the mobile phone operator inside a country.

Datatype: "Min2Max3NumericText" on page 983

18.1.8.7.12.11.3 MobileMaskedMSISDN <MobMskdMSISDN>

Presence: [0..1]

Definition: Masked Mobile Subscriber Integrated Service Digital Network.

Datatype: "Max35Text" on page 981

18.1.8.7.12.11.4 Geolocation <Glctn>

Presence: [0..1]

Definition: Geographic location specified by geographic or UTM coordinates.

Geolocation <Glctn> contains the following **Geolocation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	GeographicCoordinates <GeogcCordints>	[0..1]			767
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767
	UTMCoordinates <UTMCordints>	[0..1]			768
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwrdr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwrdr>	[1..1]	Text		768

18.1.8.7.12.11.4.1 GeographicCoordinates <GeogcCordints>

Presence: [0..1]

Definition: Geographic location specified by geographic coordinates.

GeographicCoordinates <GeogcCordints> contains the following **GeolocationGeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		767
	Longitude <Long>	[1..1]	Text		767

18.1.8.7.12.11.4.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Angular distance of a location on the earth south or north of the equator.

The latitude is measured in degrees, minutes and seconds, following by "N" for the north and "S" for the south of the equator. For example: 48°51'29" N the Eiffel Tower latitude.

Datatype: "Max35Text" on page 981

18.1.8.7.12.11.4.1.2 Longitude <Long>

Presence: [1..1]

Definition: Angular measurement of the distance of a location on the earth east or west of the Greenwich observatory.

The longitude is measured in degrees, minutes and seconds, following by "E" for the east and "W" for the west. For example: 23°27'30" E.

Datatype: "Max35Text" on page 981

18.1.8.7.12.11.4.2 UTMCoordinates <UTMCordints>

Presence: [0..1]

Definition: Geographic location specified by UTM coordinates.

UTMCoordinates <UTMCordints> contains the following **GeolocationUTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		768
	UTMEastward <UTMEstwr>	[1..1]	Text		768
	UTMNorthward <UTMNrthwr>	[1..1]	Text		768

18.1.8.7.12.11.4.2.1 UTMZone <UTMZone>

Presence: [1..1]

Definition: UTM grid zone combination of the longitude zone (1 to 60) and the latitude band (C to X, excluding I and O).

Datatype: "Max35Text" on page 981

18.1.8.7.12.11.4.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 981

18.1.8.7.12.11.4.2.3 UTMNorthward <UTMNrthwr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system.

Datatype: "Max35Text" on page 981

18.1.8.7.12.11.5 SensitiveMobileData <SnstvMobData>

Presence: [0..1]

Definition: Sensitive information related to the mobile phone.

SensitiveMobileData <SnstvMobData> contains the following **SensitiveMobileData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MSISDN <MSISDN>	[1..1]	Text		769
	IMSI <IMSI>	[0..1]	Text		769
	IMEI <IMEI>	[0..1]	Text		769

18.1.8.7.12.11.5.1 MSISDN <MSISDN>

Presence: [1..1]

Definition: identifies the mobile - Mobile Subscriber Integrated Service Digital Network (The SIM identifier).

Datatype: "Max35NumericText" on page 981

18.1.8.7.12.11.5.2 IMSI <IMSI>

Presence: [0..1]

Definition: International Mobile Subscriber Identity is a unique number associated with the mobile phone user, containing the Mobile Country Code (MCC), the Mobile Network Code (MNC), and the Mobile Identification Number (MSIN).

Datatype: "Max35NumericText" on page 981

18.1.8.7.12.11.5.3 IMEI <IMEI>

Presence: [0..1]

Definition: International Mobile Equipment Identity is a number usually unique to identify a mobile phone.

Datatype: "Max35NumericText" on page 981

18.1.8.7.12.11.6 ProtectedMobileData <PrtctdMobData>

Presence: [0..1]

Definition: Sensitive information related to the mobile phone, protected by CMS.

ProtectedMobileData <PrtctdMobData> contains the following elements (see "ContentInformationType32" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.8.7.13 ProtectedCardholderData <PrtctdCrhdldrData>

Presence: [0..1]

Definition: Replacement of the message element Cardholder by a digital envelope using a cryptographic key.

ProtectedCardholderData <PrctcdCrhdldrData> contains the following elements (see
"ContentInformationType32" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.8.7.14 SaleEnvironment <SaleEnv>

Presence: [0..1]

Definition: Sale Retailer Environment for this message.

SaleEnvironment <SaleEnv> contains the following **RetailerSaleEnvironment2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleCapabilities <SaleCpblties>	[0..*]	CodeSet		770
	Currency <Ccy>	[0..1]	CodeSet	C1	771
	MinimumAmountToDeliver <MinAmtToDlvr>	[0..1]	Amount		771
	MaximumCashBackAmount <MaxCshBckAmt>	[0..1]	Amount		771
	MinimumSplitAmount <MinSpltAmt>	[0..1]	Amount		772
	DebitPreferredFlag <DbtPrefrdFlg>	[0..1]	Indicator		772
	LoyaltyHandling <LtyHdlg>	[0..1]	CodeSet		772

18.1.8.7.14.1 SaleCapabilities <SaleCpblties>

Presence: [0..*]

Definition: Capabilities of the Sale system.

Datatype: "SaleCapabilities1Code" on page 964

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.

18.1.8.7.14.2 Currency <Ccy>

Presence: [0..1]

Definition: Default currency associated with the sale system.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

18.1.8.7.14.3 MinimumAmountToDeliver <MinAmtToDlvr>

Presence: [0..1]

Definition: Minimum amount the Sale System is allowed to deliver for this payment.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.7.14.4 MaximumCashBackAmount <MaxCshBckAmt>

Presence: [0..1]

Definition: Maximum amount which could be requested for cash-back.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.7.14.5 MinimumSplitAmount <MinSpltAmt>

Presence: [0..1]

Definition: Minimum amount to split a sale transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.7.14.6 DebitPreferredFlag <DbtPrefrdFlg>

Presence: [0..1]

Definition: Flag if preferred type of payment is a debit transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.7.14.7 LoyaltyHandling <LltyHdlg>

Presence: [0..1]

Definition: Way of Loyalty handling.

Datatype: "LoyaltyHandling1Code" on page 943

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.

18.1.8.8 CardPaymentContext29

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentContext <PmtCntxt>	[0..1]			775
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AttdncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AttdntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AttdntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpptdOptn>	[0..*]	CodeSet		779
	SaleContext <SaleCntxt>	[0..1]			779
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrlId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdRReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdRNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <RegdIdr>	[1..1]	Text		782
	SplitPayment <Spltpmt>	[0..1]	Indicator		783

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784
	DirectDebitContext <DrctDbtCntxt>	[0..1]			784
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MandatImage <MndtImg>	[0..1]	Binary		792

18.1.8.8.1 PaymentContext <PmtCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

PaymentContext <PmtCntxt> contains the following **PaymentContext28** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		775
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		775
	OnLineContext <OnLineCntxt>	[0..1]	Indicator		776
	AttendanceContext <AttndncCntxt>	[0..1]	CodeSet		776
	TransactionEnvironment <TxEnvnt>	[0..1]	CodeSet		776
	TransactionChannel <TxChanl>	[0..1]	CodeSet		776
	BusinessArea <BizArea>	[0..1]	CodeSet		777
	AttendantMessageCapable <AttndntMsgCpbl>	[0..1]	Indicator		777
	AttendantLanguage <AttndntLang>	[0..1]	CodeSet	C6	777
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		778
	FallbackIndicator <FlfbckInd>	[0..1]	CodeSet		778
	SupportedOption <SpprtdOptn>	[0..*]	CodeSet		779

18.1.8.8.1.1 CardPresent <CardPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated by a card physically present or not.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 976):

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

18.1.8.8.1.2 CardholderPresent <CrhdldrPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated in presence of the cardholder or not.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 976):

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

18.1.8.8.1.3 OnLineContext <OnLineCntxt>

Presence: [0..1]

Definition: On-line or off-line context of the transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.8.1.4 AttendanceContext <AttndncCntxt>

Presence: [0..1]

Definition: Human attendance at the POI (Point Of Interaction) location during the transaction.

Datatype: "AttendanceContext1Code" on page 920

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.

18.1.8.8.1.5 TransactionEnvironment <TxEnv>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment1Code" on page 971

CodeName	Name	Definition
MERC	Merchant	Merchant environment.
PRIV	Private	Private environment.
PUBL	Public	Public environment.

18.1.8.8.1.6 TransactionChannel <TxChanl>

Presence: [0..1]

Definition: Identifies the type of the communication channels used by the cardholder to the acceptor system.

Datatype: "TransactionChannel5Code" on page 970

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.

18.1.8.8.1.7 BusinessArea <BizArea>

Presence: [0..1]

Definition: Defines the business context of this transaction that could imply specific scheme rules.

Datatype: "BusinessArea1Code" on page 924

CodeName	Name	Definition
AIBD	ArtificialIntelligenceBasedDecision	The payment is initiated by an artificial intelligence based decision.
OPMT	Openpayment	The card is used in a Transit business case where the fare amount is not known when the transaction is initiated.
PPAY	PlainPayment	The card is used to perform a plain payment.
TKNF	TransitKnownFare	The card is used in a Transit business case where the fare amount is known when the transaction is initiated.

18.1.8.8.1.8 AttendantMessageCapable <AtndntMsgCpbl>

Presence: [0..1]

Definition: Indicates whether a message can be sent or not on an attendant display (attendant display present or not).

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.8.1.9 AttendantLanguage <AtndntLang>

Presence: [0..1]

Definition: Language used to display messages to the attendant.

Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 942

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

18.1.8.8.1.10 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Entry mode of the card data.

Datatype: "CardDataReading8Code" on page 926

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.)

18.1.8.8.1.11 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicator of a card entry mode fallback.

Datatype: "CardFallback1Code" on page 927

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.

18.1.8.8.1.12 SupportedOption <SpprtdOptn>

Presence: [0..*]

Definition: Payment options the card acceptor can support.

Datatype: "SupportedPaymentOption2Code" on page 967

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.

18.1.8.8.2 SaleContext <SaleCntxt>

Presence: [0..1]

Definition: Context of the sale involving the card payment transaction.

SaleContext <SaleCntxt> contains the following **SaleContext4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		780
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		780
	SaleReconciliationIdentification <SaleRcncltnId>	[0..1]	Text		781
	CashierIdentification <CshrId>	[0..1]	Text		781
	CashierLanguage <CshrLang>	[0..*]	CodeSet	C6	781
	ShiftNumber <ShiftNb>	[0..1]	Text		781
	CustomerOrderRequestFlag <CstmrOrdrrReqFlg>	[0..1]	Indicator		781
	PurchaseOrderNumber <PurchsOrdrrNb>	[0..1]	Text		781
	InvoiceNumber <InvNb>	[0..1]	Text		781
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		782
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]			782
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <Regdldr>	[1..1]	Text		782
	SplitPayment <Spltpmt>	[0..1]	Indicator		783
	RemainingAmount <RmngAmt>	[0..1]	Amount		783
	ForceOnlineFlag <ForceOnlnFlg>	[0..1]	Indicator		783
	ReuseCardDataFlag <ReuseCardDataFlg>	[0..1]	Indicator		783
	AllowedEntryMode <AllwdNtryMd>	[0..*]	CodeSet		783
	SaleTokenScope <SaleTknScp>	[0..1]	CodeSet		784
	AdditionalSaleData <AddtlSaleData>	[0..1]	Text		784

18.1.8.8.2.1 SaleIdentification <SaleId>

Presence: [0..1]

Definition: Identification of the sale terminal (electronic cash register or point of sale terminal) or the sale system.

Datatype: "Max35Text" on page 981

18.1.8.8.2.2 SaleReferenceNumber <SaleRefNb>

Presence: [0..1]

Definition: Identify a sale transaction assigned by the sale system.

Datatype: "Max35Text" on page 981

18.1.8.8.2.3 SaleReconciliationIdentification <SaleRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

18.1.8.8.2.4 CashierIdentification <CshrId>

Presence: [0..1]

Definition: Identification of the cashier who carried out the transaction.

Datatype: "Max35Text" on page 981

18.1.8.8.2.5 CashierLanguage <CshrLang>

Presence: [0..*]

Definition: Languages used by the cashier.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 942

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

18.1.8.8.2.6 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max2NumericText" on page 980

18.1.8.8.2.7 CustomerOrderRequestFlag <CstmrOrdRReqFlg>

Presence: [0..1]

Definition: Flag indicating that list of CustomerOrders should be returned in response.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.8.2.8 PurchaseOrderNumber <PurchsOrdRNb>

Presence: [0..1]

Definition: Identification of the purchase order.

Datatype: "Max35Text" on page 981

18.1.8.8.2.9 InvoiceNumber <InvcNb>

Presence: [0..1]

Definition: Identification of the invoice.

Datatype: "Max35Text" on page 981

18.1.8.8.2.10 DeliveryNoteNumber <DivryNoteNb>

Presence: [0..1]

Definition: Identification allocated by the sale system and given to the customer.

Datatype: "Max35Text" on page 981

18.1.8.8.2.11 SponsoredMerchant <SpnsrdMrchnt>

Presence: [0..*]

Definition: Merchant using the payment services of a payment facilitator, acting as a card acceptor.

SponsoredMerchant <SpnsrdMrchnt> contains the following **Organisation26** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommonName <CmonNm>	[1..1]	Text		782
	Address <Adr>	[0..1]	Text		782
	CountryCode <CtryCd>	[1..1]	CodeSet		782
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		782
	RegisteredIdentifier <Regdldr>	[1..1]	Text		782

18.1.8.8.2.11.1 CommonName <CmonNm>

Presence: [1..1]

Definition: Name of the merchant.

Datatype: "Max70Text" on page 982

18.1.8.8.2.11.2 Address <Adr>

Presence: [0..1]

Definition: Location of the merchant.

Datatype: "Max140Text" on page 979

18.1.8.8.2.11.3 CountryCode <CtryCd>

Presence: [1..1]

Definition: Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 941

18.1.8.8.2.11.4 MerchantCategoryCode <MrchntCtgyCd>

Presence: [1..1]

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

Datatype: "Min3Max4Text" on page 983

18.1.8.8.2.11.5 RegisteredIdentifier <Regdldr>

Presence: [1..1]

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

Datatype: "Max35Text" on page 981

18.1.8.8.2.12 SplitPayment <SpltPmt>

Presence: [0..1]

Definition: True if the payment transaction is a partial payment of the sale transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.8.2.13 RemainingAmount <RmngAmt>

Presence: [0..1]

Definition: Remaining amount to complete the sale transaction, if a partial payment has been completed for the sale transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.8.2.14 ForceOnlineFlag <ForceOnlnFlg>

Presence: [0..1]

Definition: Indicates if the Cashier requires POI forces online access to the Acquirer.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.8.2.15 ReuseCardDataFlag <ReuseCardDataFlg>

Presence: [0..1]

Definition: Indicates if the card data has to be taken from a previous transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.8.2.16 AllowedEntryMode <AllwdNtryMd>

Presence: [0..*]

Definition: Type of card data reading.

Datatype: "CardDataReading8Code" on page 926

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.)

18.1.8.8.2.17 SaleTokenScope <SaleTknScp>

Presence: [0..1]

Definition: Scope of the token that identifies the payment mean of the customer.

Datatype: "SaleTokenScope1Code" on page 965

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.

18.1.8.8.2.18 AdditionalSaleData <AddtlSaleData>

Presence: [0..1]

Definition: Additional information associated with the sale transaction.

Datatype: "Max70Text" on page 982

18.1.8.8.3 DirectDebitContext <DrctDbtCntxt>

Presence: [0..1]

Definition: Context of the direct debit transaction.

DirectDebitContext <DrctDbtCntxt> contains the following **CardDirectDebit2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DebtorIdentification <DbtrId>	[0..1]			785
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789
	CreditorIdentification <CdtrId>	[1..1]			789
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791
	MandateRelatedInformation <MndtRltdInf>	[1..1]			791
	MandateIdentification <MndtId>	[1..1]	Text		792
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

18.1.8.8.3.1 DebtorIdentification <DbtrId>

Presence: [0..1]

Definition: Information related to the debtor.

DebtorIdentification <DbtrId> contains the following **Debtor4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Debtor <Dbtr>	[0..1]			786
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787
	AccountIdentification <AcctId>	[0..1]			788
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification <Id>	[1..1]	Text		789

18.1.8.8.3.1.1 Debtor <Dbtr>

Presence: [0..1]

Definition: Party that owes an amount of money to the (ultimate) creditor. In the context of the payment model, the debtor is also the debit account owner.

Debtor <Dbtr> contains one of the following **PartyIdentification178Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	786
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		787
Or}	NameAndAddress <NmAndAdr>	[1..1]			787
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787

18.1.8.8.3.1.1.1 AnyBIC <AnyBIC>

Presence: [1..1]

Definition: Unique and unambiguous identifier for an organisation that is allocated by an institution, for example, Dun & Bradstreet Identification.

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 975

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.

18.1.8.8.3.1.1.2 ProprietaryIdentification <Prtryld>

Presence: [1..1]

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

ProprietaryIdentification <Prtryld> contains the following elements (see "[GenericIdentification36](#)" on page 673 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		674
	Issuer <Issr>	[1..1]	Text		674
	SchemeName <SchmeNm>	[0..1]	Text		674

18.1.8.8.3.1.1.3 NameAndAddress <NmAndAdr>

Presence: [1..1]

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

NameAndAddress <NmAndAdr> contains the following **NameAndAddress6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		787
	Address <Adr>	[1..1]	±		787

18.1.8.8.3.1.1.3.1 Name <Nm>

Presence: [1..1]

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

Datatype: "[Max70Text](#)" on page 982

18.1.8.8.3.1.1.3.2 Address <Adr>

Presence: [1..1]

Definition: Information that locates and identifies a specific address, as defined by postal services.

Address <Adr> contains the following elements (see "PostalAddress2" on page 902 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		902
	PostCodeIdentification <PstCdd>	[1..1]	Text		902
	TownName <TwnNm>	[1..1]	Text		902
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		902
	Country <Ctry>	[1..1]	CodeSet	C3	902

18.1.8.8.3.1.2 AccountIdentification <AcctId>

Presence: [0..1]

Definition: Unique and unambiguous identification for the account between the account owner and the account servicer.

AccountIdentification <AcctId> contains one of the following **CashAccountIdentification7Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	788
Or	BBAN <BBAN>	[1..1]	IdentifierSet		788
Or	UPIC <UPIC>	[1..1]	IdentifierSet		789
Or}	DomesticAccount <DmstAcct>	[1..1]			789
	Identification </d>	[1..1]	Text		789

18.1.8.8.3.1.2.1 IBAN <IBAN>

Presence: [1..1]

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

Impacted by: C4 "IBAN"

Datatype: "IBAN2007Identifier" on page 975

Constraints

- IBAN**

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

18.1.8.8.3.1.2.2 BBAN <BBAN>

Presence: [1..1]

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

Datatype: "BBANIdentifier" on page 975

18.1.8.8.3.1.2.3 UPIC <UPIC>

Presence: [1..1]

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

Datatype: "UPICIdentifier" on page 976

18.1.8.8.3.1.2.4 DomesticAccount <DmstAcct>

Presence: [1..1]

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

DomesticAccount <DmstAcct> contains the following **SimpleIdentificationInformation4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		789

18.1.8.8.3.1.2.4.1 Identification <Id>

Presence: [1..1]

Definition: Name or number assigned by an entity to enable recognition of that entity, for example, account identifier.

Datatype: "Max35Text" on page 981

18.1.8.8.3.2 CreditorIdentification <CdtrId>

Presence: [1..1]

Definition: Information related to the creditor.

CreditorIdentification <CdtrId> contains the following **Creditor4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Creditor <Cdtr>	[1..1]			790
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791
	RegistrationIdentification <RegnId>	[0..1]	Text		791

18.1.8.8.3.2.1 Creditor <Cdtr>

Presence: [1..1]

Definition: Party that receives an amount of money from the debtor. In the context of the payment model, the creditor is also the credit account owner.

Creditor <Cdtr> contains one of the following **PartyIdentification178Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	790
Or	ProprietaryIdentification <PrtryId>	[1..1]	±		790
Or}	NameAndAddress <NmAndAdr>	[1..1]			790
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791

18.1.8.8.3.2.1.1 AnyBIC <AnyBIC>

Presence: [1..1]

Definition: Unique and unambiguous identifier for an organisation that is allocated by an institution, for example, Dun & Bradstreet Identification.

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 975

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.

18.1.8.8.3.2.1.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "GenericIdentification36" on page 673 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		674
	Issuer <Issr>	[1..1]	Text		674
	SchemeName <SchmeNm>	[0..1]	Text		674

18.1.8.8.3.2.1.3 NameAndAddress <NmAndAdr>

Presence: [1..1]

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

NameAndAddress <NmAndAdr> contains the following **NameAndAddress6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		791
	Address <Adr>	[1..1]	±		791

18.1.8.8.3.2.1.3.1 Name <Nm>

Presence: [1..1]

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

Datatype: "Max70Text" on page 982

18.1.8.8.3.2.1.3.2 Address <Adr>

Presence: [1..1]

Definition: Information that locates and identifies a specific address, as defined by postal services.

Address <Adr> contains the following elements (see "PostalAddress2" on page 902 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		902
	PostCodeIdentification <PstCdId>	[1..1]	Text		902
	TownName <TwnNm>	[1..1]	Text		902
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		902
	Country <Ctry>	[1..1]	CodeSet	C3	902

18.1.8.8.3.2.2 RegistrationIdentification <RegnId>

Presence: [0..1]

Definition: Reference assigned to a creditor by its financial institution, or relevant authority, authorising the creditor to take part in a direct debit scheme.

Datatype: "Max35Text" on page 981

18.1.8.8.3.3 MandateRelatedInformation <MndtRltdInf>

Presence: [1..1]

Definition: Provides further details of the mandate signed between the creditor and the debtor.

MandateRelatedInformation <MndtRltdInf> contains the following **MandateRelatedInformation13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MandateIdentification <MndtId>	[1..1]	Text		792
	DateOfSignature <DtOfSgntr>	[0..1]	Date		792
	MandateImage <MndtImg>	[0..1]	Binary		792

18.1.8.8.3.3.1 MandateIdentification <MndtId>

Presence: [1..1]

Definition: Unique identification, as assigned by the creditor, to unambiguously identify the mandate.

Datatype: "Max35Text" on page 981

18.1.8.8.3.3.2 DateOfSignature <DtOfSgntr>

Presence: [0..1]

Definition: Date on which the direct debit mandate has been signed by the debtor.

Datatype: "ISODate" on page 974

18.1.8.8.3.3.3 MandateImage <MndtImg>

Presence: [0..1]

Definition: Image of scanned signed mandate.

Datatype: "Max2MBBinary" on page 910

18.1.8.9 ActionMessage9

Definition: Information to display, print or store.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageDestination <MsgDstn>	[1..1]	CodeSet		792
	InformationQualifier <InfQlfr>	[0..1]	CodeSet		793
	Format <Frmt>	[0..1]	CodeSet		794
	MessageContent <MsgCntt>	[0..1]	Text		794
	MessageContentSignature <MsgCnttSgntr>	[0..1]	±		794
	OutputBarcode <OutptBrcd>	[0..1]			794
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrctn>	[0..1]	CodeSet		796
	ResponseRequiredFlag <RspnReqrdFlg>	[0..1]	Indicator		796
	MinimumDisplayTime <MinDispTm>	[0..1]	Quantity		796

18.1.8.9.1 MessageDestination <MsgDstn>

Presence: [1..1]

Definition: Destination of the message.

Datatype: "UserInterface4Code" on page 973

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.

18.1.8.9.2 InformationQualifier <InfQlfr>

Presence: [0..1]

Definition: Qualification of the information to sent to an output logical device.

Datatype: "InformationQualify1Code" on page 939

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.

18.1.8.9.3 Format <Frmt>

Presence: [0..1]

Definition: Message format.

Datatype: "OutputFormat3Code" on page 946

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.

18.1.8.9.4 MessageContent <MsgCntt>

Presence: [0..1]

Definition: Content or reference of the message.

Datatype: "Max20000Text" on page 980

18.1.8.9.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Digital signature of the message.

MessageContentSignature <MsgCnttSgntr> contains the following elements (see "ContentInformationType29" on page 879 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

18.1.8.9.6 OutputBarcode <OutptBrcd>

Presence: [0..1]

Definition: Content of message displayed or printed as Barcode.

OutputBarcode <OutptBrcd> contains the following **OutputBarcode1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BarcodeType <BrcdTp>	[1..1]	CodeSet		795
	BarcodeValue <BrcdVal>	[0..1]	Text		795
	QRCodeBinaryValue <QRCDBinryVal>	[0..1]	Binary		795
	QRCodeVersion <QRCDVrsn>	[0..1]	Text		796
	QRCodeEncodingMode <QRCDNcodgMd>	[1..1]	CodeSet		796
	QRCodeErrorCorrection <QRCDErrCrrctn>	[0..1]	CodeSet		796

18.1.8.9.6.1 BarcodeType <BrcdTp>

Presence: [1..1]

Definition: Type of Barcode coding.

Datatype: "BarcodeType1Code" on page 924

CodeName	Name	Definition
COQR	BarcodeEncodedAs2DQRCode	Barcode encoded according to the 2Dimensions Quick Response Code Standard.
C128	BarcodeEncodedAsCode128	Barcode encoded according to the Code 128 standard.
C025	BarcodeEncodedAsCode25	Barcode encoded according to the Code 25 standard.
C039	BarcodeEncodedAsCode39	Barcode encoded according to the Code 39 standard.
EA13	BarcodeEncodedAsEA13	Barcode encoded according to the EAN13 standard.
EAN8	BarcodeEncodedAsEAN8	Barcode encoded according to the EAN8 standard.
P417	BarcodeEncodedAsPDF417	Barcode encoded according to the PDF417 standard.
UPCA	BarcodeEncodedAsUPCA	Barcode encoded according to the UPCA standard.

18.1.8.9.6.2 BarcodeValue <BrcdVal>

Presence: [0..1]

Definition: Value with a Barcode coding.

Datatype: "Max8000Text" on page 983

18.1.8.9.6.3 QRCodeBinaryValue <QRCDBinryVal>

Presence: [0..1]

Definition: Use for binary and Kanji Quick Response Code.

Datatype: "Max3000Binary" on page 910

18.1.8.9.6.4 QRCodeVersion <QRCDVrsn>

Presence: [0..1]

Definition: Version of the Quick Response Code.

Datatype: "Max16Text" on page 979

18.1.8.9.6.5 QRCodeEncodingMode <QRCDNcodgMd>

Presence: [1..1]

Definition: Encoding Mode of Quick Response Code.

Datatype: "QRCodeEncodingMode1Code" on page 953

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.

18.1.8.9.6.6 QRCodeErrorCorrection <QRCDerrCrrctn>

Presence: [0..1]

Definition: Error Correction mode of Quick Response Code.

Datatype: "QRCodeErrorCorrection1Code" on page 953

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%

18.1.8.9.7 ResponseRequiredFlag <RspnReqrdFlg>

Presence: [0..1]

Definition: Flag to request a message response.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.9.8 MinimumDisplayTime <MinDispTm>

Presence: [0..1]

Definition: Number of seconds the message has to be displayed.

Datatype: "Number" on page 977

18.1.8.10 PointOfInteractionComponent12

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		799
	SubTypeInfoInformation <SubTpInf>	[0..1]	Text		800
	Identification <Id>	[1..1]			801
	ItemNumber <ItmNb>	[0..1]	Text		801
	ProviderIdentification <PrvdrlId>	[0..1]	Text		801
	Identification <Id>	[0..1]	Text		801
	SerialNumber <SrlNb>	[0..1]	Text		801
	Status <Sts>	[0..1]			801
	VersionNumber <VrsnNb>	[0..1]	Text		802
	Status <Sts>	[0..1]	CodeSet		802
	ExpiryDate <XpryDt>	[0..1]	Date		802
	StandardCompliance <StdCmplc>	[0..*]			802
	Identification <Id>	[1..1]	Text		802
	Version <Vrsn>	[1..1]	Text		803
	Issuer <Issr>	[1..1]	Text		803
	Characteristics <Chrtcs>	[0..1]			803
	Memory <Mmry>	[0..*]			804
	Identification <Id>	[1..1]	Text		805
	TotalSize <TtlSz>	[1..1]	Quantity		805
	FreeSize <FreeSz>	[1..1]	Quantity		805
	Unit <Unit>	[1..1]	CodeSet		805
	Communication <Com>	[0..*]			805
	CommunicationType <ComTp>	[1..1]	CodeSet		806
	RemoteParty <RmotPty>	[1..*]	CodeSet		807
	Active <Actv>	[1..1]	Indicator		807
	Parameters <Params>	[0..1]	±		807
	PhysicalInterface <PhysIntrfc>	[0..1]			808
	InterfaceName <IntrfcNm>	[1..1]	Text		808
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		808
	UserName <UsrNm>	[0..1]	Text		809
	AccessCode <AccsCd>	[0..1]	Binary		809

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SecurityProfile <SctyPrfl>	[0..1]	Text		809
	AdditionalParameters <AddtlParams>	[0..1]	Binary		809
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		810
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		810
	SecurityElement <SctyElmt>	[0..*]	±		810
	Assessment <Assmnt>	[0..*]			810
	Type <Tp>	[1..1]	CodeSet		811
	Assigner <Assgnr>	[1..*]	Text		811
	DeliveryDate <DlvryDt>	[0..1]	DateTime		811
	ExpirationDate <XprtnDt>	[0..1]	DateTime		811
	Number <Nb>	[1..1]	Text		811
	Package <Packg>	[0..*]			812
	PackageIdentification <PackgId>	[0..1]	±		812
	PackageLength <PackgLngh>	[0..1]	Quantity		812
	OffsetStart <OffsetStart>	[0..1]	Quantity		812
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		813
	PackageBlock <PackgBlck>	[0..*]			813
	Identification <Id>	[1..1]	Text		813
	Value <Val>	[0..1]	Binary		813
	ProtectedValue <PrctcdVal>	[0..1]	±		813
	Type <Tp>	[0..1]	Text		814

18.1.8.10.1 Type <Tp>

Presence: [1..1]

Definition: Type of component belonging to a POI (Point Of Interaction) Terminal.

Datatype: "POIComponentType6Code" on page 951

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.

18.1.8.10.2 SubTypeInformation <SubTpInf>

Presence: [0..1]

Definition: Additional information regarding the type of the component.

Datatype: "Max70Text" on page 982

18.1.8.10.3 Identification <Id>

Presence: [1..1]

Definition: Identification of the POI (Point Of Interaction) component.

Identification <Id> contains the following **PointOfInteractionComponentIdentification2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemNumber <ItmNb>	[0..1]	Text		801
	ProviderIdentification <PrvdrId>	[0..1]	Text		801
	Identification <Id>	[0..1]	Text		801
	SerialNumber <SrINb>	[0..1]	Text		801

18.1.8.10.3.1 ItemNumber <ItmNb>

Presence: [0..1]

Definition: Hierarchical identification of a hardware component inside all the hardware component of the POI. It is composed of all item numbers of the upper level components, separated by the '.' character, ended by the item number of the current component.

Datatype: "Max35Text" on page 981

18.1.8.10.3.2 ProviderIdentification <PrvdrId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 981

18.1.8.10.3.3 Identification <Id>

Presence: [0..1]

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

Datatype: "Max256Text" on page 980

18.1.8.10.3.4 SerialNumber <SrINb>

Presence: [0..1]

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

Datatype: "Max256Text" on page 980

18.1.8.10.4 Status <Sts>

Presence: [0..1]

Definition: Status of the POI (Point Of Interaction) component.

Status <Sts> contains the following **PointOfInteractionComponentStatus3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VersionNumber <VrsnNb>	[0..1]	Text		802
	Status <Sts>	[0..1]	CodeSet		802
	ExpiryDate <XpryDt>	[0..1]	Date		802

18.1.8.10.4.1 VersionNumber <VrsnNb>

Presence: [0..1]

Definition: Current version of the component that might include the release number.

Datatype: "Max256Text" on page 980

18.1.8.10.4.2 Status <Sts>

Presence: [0..1]

Definition: Current status of the component.

Datatype: "POIComponentStatus1Code" on page 951

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.

18.1.8.10.4.3 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiration date of the component.

Datatype: "ISODate" on page 974

18.1.8.10.5 StandardCompliance <StdCmplc>

Presence: [0..*]

Definition: Identification of the standard for which the component complies with.

StandardCompliance <StdCmplc> contains the following **GenericIdentification48** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		802
	Version <Vrsn>	[1..1]	Text		803
	Issuer <Issr>	[1..1]	Text		803

18.1.8.10.5.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 981

18.1.8.10.5.2 Version <Vrsn>

Presence: [1..1]

Definition: Version of the identification.

Datatype: "Max35Text" on page 981

18.1.8.10.5.3 Issuer <Issr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 981

18.1.8.10.6 Characteristics <Chrtcs>

Presence: [0..1]

Definition: Characteristics of a POI (Point Of Interaction) component.

Characteristics <Chrtcs> contains the following **PointOfInteractionComponentCharacteristics8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Memory <Mmry>	[0..*]			804
	Identification <Id>	[1..1]	Text		805
	TotalSize <TtlSz>	[1..1]	Quantity		805
	FreeSize <FreeSz>	[1..1]	Quantity		805
	Unit <Unit>	[1..1]	CodeSet		805
	Communication <Com>	[0..*]			805
	CommunicationType <ComTp>	[1..1]	CodeSet		806
	RemoteParty <RmotPty>	[1..*]	CodeSet		807
	Active <Actv>	[1..1]	Indicator		807
	Parameters <Params>	[0..1]	±		807
	PhysicalInterface <PhysIntrfc>	[0..1]			808
	InterfaceName <IntrfcNm>	[1..1]	Text		808
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		808
	UserName <UsrNm>	[0..1]	Text		809
	AccessCode <AccsCd>	[0..1]	Binary		809
	SecurityProfile <SctyPrfl>	[0..1]	Text		809
	AdditionalParameters <AddtlParams>	[0..1]	Binary		809
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		810
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		810
	SecurityElement <SctyElmt>	[0..*]	±		810

18.1.8.10.6.1 Memory <Mmry>

Presence: [0..*]

Definition: Memory characteristics of the component.

Memory <Mmry> contains the following **MemoryCharacteristics1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		805
	TotalSize <TtlSz>	[1..1]	Quantity		805
	FreeSize <FreeSz>	[1..1]	Quantity		805
	Unit <Unit>	[1..1]	CodeSet		805

18.1.8.10.6.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification or name of the memory.

Datatype: "Max35Text" on page 981

18.1.8.10.6.1.2 TotalSize <TtISz>

Presence: [1..1]

Definition: Total size of the memory unit.

Datatype: "DecimalNumber" on page 976

18.1.8.10.6.1.3 FreeSize <FreeSz>

Presence: [1..1]

Definition: Total size of the available memory.

Datatype: "DecimalNumber" on page 976

18.1.8.10.6.1.4 Unit <Unit>

Presence: [1..1]

Definition: Memory unit of the sizes.

Datatype: "MemoryUnit1Code" on page 944

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.

18.1.8.10.6.2 Communication <Com>

Presence: [0..*]

Definition: Low level communication of the hardware or software component toward another component or an external entity.

Communication <Com> contains the following **CommunicationCharacteristics5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommunicationType <ComTp>	[1..1]	CodeSet		806
	RemoteParty <RmotPty>	[1..*]	CodeSet		807
	Active <Actv>	[1..1]	Indicator		807
	Parameters <Params>	[0..1]	±		807
	PhysicalInterface <PhysIntrfc>	[0..1]			808
	InterfaceName <IntrfcNm>	[1..1]	Text		808
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		808
	UserName <UsrNm>	[0..1]	Text		809
	AccessCode <AccsCd>	[0..1]	Binary		809
	SecurityProfile <SctyPrfl>	[0..1]	Text		809
	AdditionalParameters <AddtlParams>	[0..1]	Binary		809

18.1.8.10.6.2.1 CommunicationType <ComTp>

Presence: [1..1]

Definition: Type of low level communication.

Datatype: "POICommunicationType2Code" on page 950

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.

18.1.8.10.6.2.2 RemoteParty <RmotPty>

Presence: [1..*]

Definition: Entity that communicate with the current component, using this communication device.

Datatype: "PartyType7Code" on page 949

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.

18.1.8.10.6.2.3 Active <Activ>

Presence: [1..1]

Definition: Communication hardware is activated.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.10.6.2.4 Parameters <Params>

Presence: [0..1]

Definition: Network parameters of the communication link.

Parameters <Params> contains the following elements (see "[NetworkParameters7](#)" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			844
	NetworkType <NtwkTp>	[1..1]	CodeSet		844
	AddressValue <AdrVal>	[1..1]	Text		844
	UserName <UsrNm>	[0..1]	Text		844
	AccessCode <AccsCd>	[0..1]	Binary		845
	ServerCertificate <SvrCert>	[0..*]	Binary		845
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		845
	ClientCertificate <CIntCert>	[0..*]	Binary		845
	SecurityProfile <SctyPrfl>	[0..1]	Text		845

18.1.8.10.6.2.5 PhysicalInterface <PhysIntrfc>

Presence: [0..1]

Definition: Physical Interface used by the communication link.

PhysicalInterface <PhysIntrfc> contains the following **PhysicalInterfaceParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InterfaceName <IntrfcNm>	[1..1]	Text		808
	InterfaceType <IntrfcTp>	[0..1]	CodeSet		808
	UserName <UsrNm>	[0..1]	Text		809
	AccessCode <AccsCd>	[0..1]	Binary		809
	SecurityProfile <SctyPrfl>	[0..1]	Text		809
	AdditionalParameters <AddtlParams>	[0..1]	Binary		809

18.1.8.10.6.2.5.1 InterfaceName <IntrfcNm>

Presence: [1..1]

Definition: Identification of the interface.

Datatype: "[Max35Text](#)" on page 981

18.1.8.10.6.2.5.2 InterfaceType <IntrfcTp>

Presence: [0..1]

Definition: Identification of the physical link layer.

Datatype: "[POICommunicationType2Code](#)" on page 950

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.

18.1.8.10.6.2.5.3 UserName <UsrNm>

Presence: [0..1]

Definition: Optional user name to provide to use this interface.

Datatype: "Max35Text" on page 981

18.1.8.10.6.2.5.4 AccessCode <AccsCd>

Presence: [0..1]

Definition: Optional access code to provide to use this interface.

Datatype: "Max35Binary" on page 910

18.1.8.10.6.2.5.5 SecurityProfile <SctyPrfl>

Presence: [0..1]

Definition: Identification of the optional security profile to use with this interface.

Datatype: "Max35Text" on page 981

18.1.8.10.6.2.5.6 AdditionalParameters <AddtlParams>

Presence: [0..1]

Definition: Any other parameters relevant for this interface.

Datatype: "Max2KBinary" on page 909

18.1.8.10.6.3 SecurityAccessModules <SctyAccsMdls>

Presence: [0..1]

Definition: Number of security access modules (SAM).

Datatype: "Number" on page 977

18.1.8.10.6.4 SubscriberIdentityModules <SbcbrldntyMdls>

Presence: [0..1]

Definition: Number of subscriber identity modules (SIM).

Datatype: "Number" on page 977

18.1.8.10.6.5 SecurityElement <SctyElmt>

Presence: [0..*]

Definition: Security characteristics of the component.

SecurityElement <SctyElmt> contains the following elements (see "CryptographicKey16" on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		882
	AdditionalIdentification <AddtlId>	[0..1]	Binary		882
	Name <Nm>	[0..1]	Text		882
	SecurityProfile <SctyPrfl>	[0..1]	Text		883
	ItemNumber <ItmNb>	[0..1]	Text		883
	Version <Vrsn>	[1..1]	Text		883
	Type <Tp>	[0..1]	CodeSet		883
	Function <Fctn>	[0..*]	CodeSet		884
	ActivationDate <ActvtnDt>	[0..1]	DateTime		884
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		884
	KeyValue <KeyVal>	[0..1]	±		885
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		885
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			885
	Name <Nm>	[1..1]	Text		885
	Value <Val>	[0..1]	Text		885

18.1.8.10.7 Assessment <Assmnt>

Presence: [0..*]

Definition: Assessments for the component of the point of interaction.

Assessment <Assmnt> contains the following **PointOfInteractionComponentAssessment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		811
	Assigner <Assgnr>	[1..*]	Text		811
	DeliveryDate <DlvryDt>	[0..1]	DateTime		811
	ExpirationDate <XprtnDt>	[0..1]	DateTime		811
	Number <Nb>	[1..1]	Text		811

18.1.8.10.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of assessment of the component.

Datatype: "POIComponentAssessment1Code" on page 951

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.

18.1.8.10.7.2 Assigner <Assgnr>

Presence: [1..*]

Definition: Body which has delivered the assessment.

Datatype: "Max35Text" on page 981

18.1.8.10.7.3 DeliveryDate <DlvryDt>

Presence: [0..1]

Definition: Date when the assessment has been delivered.

Datatype: "ISODateTime" on page 974

18.1.8.10.7.4 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Date when the assessment will expire.

Datatype: "ISODateTime" on page 974

18.1.8.10.7.5 Number <Nb>

Presence: [1..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 981

18.1.8.10.8 Package <Packg>

Presence: [0..*]

Definition: Chunk of a software package.

Package <Packg> contains the following **PackageType3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Packageldentification <PackgId>	[0..1]	±		812
	PackageLength <PackgLngh>	[0..1]	Quantity		812
	OffsetStart <OffsetStart>	[0..1]	Quantity		812
	OffsetEnd <OffsetEnd>	[0..1]	Quantity		813
	PackageBlock <PackgBlck>	[0..*]			813
	Identification <Id>	[1..1]	Text		813
	Value <Val>	[0..1]	Binary		813
	ProtectedValue <PrctcdVal>	[0..1]	±		813
	Type <Tp>	[0..1]	Text		814

18.1.8.10.8.1 Packageldentification <PackgId>

Presence: [0..1]

Definition: Identification of the software packages of which the chunk belongs.

Packageldentification <PackgId> contains the following elements (see "[GenericIdentification176](#)" on page 670 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		670
	Type <Tp>	[0..1]	CodeSet		671
	Issuer <Issr>	[0..1]	CodeSet		671
	Country <Ctry>	[0..1]	Text		672
	ShortName <ShrtNm>	[0..1]	Text		672

18.1.8.10.8.2 PackageLength <PackgLngh>

Presence: [0..1]

Definition: Full length of software package identified through Packageldentification.

Datatype: "[PositiveNumber](#)" on page 977

18.1.8.10.8.3 OffsetStart <OffsetStart>

Presence: [0..1]

Definition: Place of the first following PackageBlock, beginning with 0, in the full software package identified through Packageldentification.

Datatype: "PositiveNumber" on page 977

18.1.8.10.8.4 OffsetEnd <OffsetEnd>

Presence: [0..1]

Definition: Following place of the last following PackageBlock in the full software package identified through PackageIdentification.

Datatype: "PositiveNumber" on page 977

18.1.8.10.8.5 PackageBlock <PackgBlck>

Presence: [0..*]

Definition: Consecutive slices of the full software package identified through PackageIdentification starting with first slice at the place identified with OffsetStart and ending with the last slice at the previous place identified with OffsetEnd.

PackageBlock <PackgBlck> contains the following **ExternallyDefinedData3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		813
	Value <Val>	[0..1]	Binary		813
	ProtectedValue <PrctcdVal>	[0..1]	±		813
	Type <Tp>	[0..1]	Text		814

18.1.8.10.8.5.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 978

18.1.8.10.8.5.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 909

18.1.8.10.8.5.3 ProtectedValue <PrctcdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrctcdVal> contains the following elements (see "[ContentInformationType30](#)" on page 874 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		875
	EnvelopedData <EnvlpdData>	[0..1]	±		875
	AuthenticatedData <AuthntcdData>	[0..1]	±		876
	SignedData <SgndData>	[0..1]	±		877
	DigestedData <DgstdData>	[0..1]	±		878

18.1.8.10.8.5.4 Type <Tp>

Presence: [0..1]

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

Datatype: "[Max1025Text](#)" on page 978

18.1.8.11 ResponseType11

Definition: Response of a requested service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		814
	ResponseReason <RspnRsn>	[0..1]	CodeSet		815
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		816

18.1.8.11.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the requested transaction.

Datatype: "[Response11Code](#)" on page 954

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.

18.1.8.11.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "RetailerResultDetail1Code" on page 956

CodeName	Name	Definition
ABRT	Aborted	The Initiator of the request has sent an Abort message request, which was accepted and processed.
BUSY	Busy	The system is busy, try later.
CANC	Cancel	The user has aborted the transaction on the PED keyboard, for instance during PIN entering.
DEVO	DeviceOut	Device out of order.
WPIN	WrongPIN	The user has entered the PIN on the PED keyboard and the verification fails.
NHOS	UnreachableHost	Acquirer or any host is unreachable or has not answered to an online request, so is considered as temporary unavailable. Depending on the Sale context, the request could be repeated (to be compared with "Refusal").
UNVS	UnavailableService	The service is not available (not implemented, not configured, protocol version too old...).
UNVD	UnavailableDevice	The hardware is not available (absent, not configured...).
REFU	Refusal	The transaction is refused by the host or by the local rules associated to the card or the POI.
PAYR	PaymentRestriction	Some sale items are not payable by the card proposed by the Customer.
TNFD	NotFound	The transaction is not found (e.g. for a reversal or a repeat).
NALW	NotAllowed	A service request is sent during a Service dialogue. A combination of services not possible to provide. During the DeviceInitialisationCardReader message processing, the user has entered a card which has to be protected by the POI, and cannot be processed with this device request from the external, and then the Sale System.
LOUT	LoggedOut	Not logged in.
IVCA	InvalidCard	The card entered by the Customer cannot be processed by the POI because this card is not configured in the system.
ICAR	InsertedCard	If the Input Device request a NotifyCardInputFlag and the Customer enters a card in the card reader without answers to the Input command, the POI

CodeName	Name	Definition
		abort the Input command processing, and answer a dedicated ErrorCondition value in the Input response message.
WIPG	InProgress	The transaction is still in progress and then the command cannot be processed.

18.1.8.11.3 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max140Text" on page 979

18.1.8.12 CustomerDevice3

Definition: Device used by the customer to perform the payment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		816
	Type <Tp>	[0..1]	Text		816
	Provider <Prvdr>	[0..1]	Text		816

18.1.8.12.1 Identification <Id>

Presence: [0..1]

Definition: Identifier of the component.

Datatype: "Max35Text" on page 981

18.1.8.12.2 Type <Tp>

Presence: [0..1]

Definition: Type of component.

Datatype: "Max70Text" on page 982

18.1.8.12.3 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the component.

Datatype: "Max35Text" on page 981

18.1.8.13 CustomerOrder1

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerOrderIdentification <CstmrOrdId>	[1..1]	Text		817
	SaleReferenceIdentification <SaleRefId>	[1..1]	Text		817
	OpenOrderState <OpnOrdStat>	[0..1]	Indicator		817
	StartDate <StartDt>	[1..1]	DateTime		817
	EndDate <EndDt>	[0..1]	DateTime		817
	Unit <Unit>	[0..1]	CodeSet		818
	ForecastedAmount <FrcstdAmt>	[1..1]	Amount		818
	CurrentAmount <CurAmt>	[0..1]	Amount		818
	Currency <Ccy>	[0..1]	CodeSet	C1	818
	AccessedBy <AccsdBy>	[0..1]	Text		818
	AdditionalInformation <AddtlInf>	[0..1]	Text		818

18.1.8.13.1 CustomerOrderIdentification <CstmrOrdId>

Presence: [1..1]

Definition: Identification of a customer order.

Datatype: "Max35Text" on page 981

18.1.8.13.2 SaleReferenceIdentification <SaleRefId>

Presence: [1..1]

Definition: Identification of a Sale transaction for a sequence of related POI transactions.

Datatype: "Max35Text" on page 981

18.1.8.13.3 OpenOrderState <OpnOrdStat>

Presence: [0..1]

Definition: Specifies if a customer order is currently open.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.13.4 StartDate <StartDt>

Presence: [1..1]

Definition: Date time of the beginning of an operation.

Datatype: "ISODateTime" on page 974

18.1.8.13.5 EndDate <EndDt>

Presence: [0..1]

Definition: Date time of the end of an operation.

Datatype: "ISODateTime" on page 974

18.1.8.13.6 Unit <Unit>

Presence: [0..1]

Definition: Unit of amount.

Datatype: "AmountUnit1Code" on page 920

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

18.1.8.13.7 ForecastedAmount <FrcstdAmt>

Presence: [1..1]

Definition: Initial or global amount of the order.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.13.8 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Total amount of all completed transactions of a customer order.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.13.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of monetary amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 912

Constraints

- **ActiveCurrency**

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

18.1.8.13.10 AccessedBy <AccsdBy>

Presence: [0..1]

Definition: Identification of an entity accessing data to perform an operation.

Datatype: "Max35Text" on page 981

18.1.8.13.11 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Unqualified information related to customer order.

Datatype: "Max1025Text" on page 978

18.1.8.14 PointOfInteractionCapabilities9

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapabilities <CardRdngCpblties>	[0..*]	CodeSet		819
	CardholderVerificationCapabilities <CrhdldrVrfctnCpblties>	[0..*]	CodeSet		820
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		820
	ApprovalCodeLength <ApprvICdLngh>	[0..1]	Quantity		821
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		821
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		821
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		821
	MessageCapabilities <MsgCpblties>	[0..*]			821
	Destination <Dstn>	[1..*]	CodeSet		822
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		822
	NumberOfLines <NbOfLines>	[0..1]	Quantity		822
	LineWidth <LineWidth>	[0..1]	Quantity		822
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	823

18.1.8.14.1 CardReadingCapabilities <CardRdngCpblties>

Presence: [0..*]

Definition: Card reading capabilities of the POI (Point Of Interaction) performing the transaction.

Datatype: "CardDataReading8Code" on page 926

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

18.1.8.14.2 CardholderVerificationCapabilities <CrdhldrVrfctnCpblties>

Presence: [0..*]

Definition: Cardholder verification capabilities of the POI (Point Of Interaction) performing the transaction.

Datatype: "CardholderVerificationCapability4Code" on page 927

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.

18.1.8.14.3 PINLengthCapabilities <PINLnghCpblties>

Presence: [0..1]

Definition: Maximum number of digits the POI is able to accept when the cardholder enters its PIN.

Datatype: "PositiveNumber" on page 977

18.1.8.14.4 ApprovalCodeLength <ApprvlCdLngh>

Presence: [0..1]

Definition: Maximum number of characters of the approval code the POI is able to manage.

Datatype: "PositiveNumber" on page 977

18.1.8.14.5 MaxScriptLength <MxScrpLngth>

Presence: [0..1]

Definition: Maximum data length in bytes that a card issuer can return to the ICC at the terminal.

Datatype: "PositiveNumber" on page 977

18.1.8.14.6 CardCaptureCapable <CardCaptrCpbl>

Presence: [0..1]

Definition: True if the POI is able to capture card.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.14.7 OnLineCapabilities <OnLineCpblties>

Presence: [0..1]

Definition: On-line and off-line capabilities of the POI (Point Of Interaction).

Datatype: "OnLineCapability1Code" on page 945

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.

18.1.8.14.8 MessageCapabilities <MsgCpblties>

Presence: [0..*]

Definition: Capabilities of the terminal to display or print message to the cardholder and the merchant.

MessageCapabilities <MsgCpblties> contains the following **DisplayCapabilities4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstn>	[1..*]	CodeSet		822
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		822
	NumberOfLines <NbOfLines>	[0..1]	Quantity		822
	LineWidth <LineWidth>	[0..1]	Quantity		822
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C6	823

18.1.8.14.8.1 Destination <Dstn>

Presence: [1..*]

Definition: Destination of the message to present.

Datatype: "UserInterface4Code" on page 973

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.

18.1.8.14.8.2 AvailableFormat <AvlblFrmt>

Presence: [0..*]

Definition: Available message format.

Datatype: "OutputFormat1Code" on page 946

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.

18.1.8.14.8.3 NumberOfLines <NbOfLines>

Presence: [0..1]

Definition: Number of lines of the display.

Datatype: "Number" on page 977

18.1.8.14.8.4 LineWidth <LineWidth>

Presence: [0..1]

Definition: Number of columns of the display or printer.

Datatype: "Number" on page 977

18.1.8.14.8.5 AvailableLanguage <AvlblLang>

Presence: [0..*]

Definition: Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 942

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

18.1.8.15 AggregationTransaction3

Definition: Payment transaction with an aggregated amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FirstPaymentDateTime <FrstPmtDtTm>	[0..1]	DateTime		823
	LastPaymentDateTime <LastPmtDtTm>	[0..1]	DateTime		823
	NumberOfPayments <NbOfPmts>	[0..1]	Quantity		823
	IndividualPayment <IndvPmt>	[0..*]			824
	Amount <Amt>	[1..1]	Amount		824
	DateTime <DtTm>	[1..1]	DateTime		824
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		824
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		825
	Label <Labl>	[0..1]	Text		825

18.1.8.15.1 FirstPaymentDateTime <FrstPmtDtTm>

Presence: [0..1]

Definition: Date and time of the first payment.

Datatype: "ISODateTime" on page 974

18.1.8.15.2 LastPaymentDateTime <LastPmtDtTm>

Presence: [0..1]

Definition: Date and time of the last payment.

Datatype: "ISODateTime" on page 974

18.1.8.15.3 NumberOfPayments <NbOfPmts>

Presence: [0..1]

Definition: Total number of payments that has been aggregated.

Datatype: "Number" on page 977

18.1.8.15.4 IndividualPayment <IndvPmt>

Presence: [0..*]

Definition: Individual payment that has been aggregated.

IndividualPayment <IndvPmt> contains the following **DetailedAmount21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		824
	DateTime <DtTm>	[1..1]	DateTime		824
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		824
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		825
	Label <Labl>	[0..1]	Text		825

18.1.8.15.4.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.15.4.2 DateTime <DtTm>

Presence: [1..1]

Definition: Date and time of the payment.

Datatype: "ISODateTime" on page 974

18.1.8.15.4.3 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Card data entry mode for the related payment.

Datatype: "CardDataReading8Code" on page 926

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

18.1.8.15.4.4 ICCRelatedData <ICCRItldData>

Presence: [0..1]

Definition: Data of an integrated circuit card application for the related payment.

Datatype: "Max10000Binary" on page 909

18.1.8.15.4.5 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max140Text" on page 979

18.1.8.16 Product6

Definition: Purchased item.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemIdentification <ItmId>	[0..1]	Text		826
	ProductCode <PdctCd>	[1..1]	Text		826
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		826
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		826
	ProductQuantity <PdctQty>	[0..1]	Quantity		828
	UnitPrice <UnitPric>	[0..1]	Amount		828
	UnitPriceSign <UnitPricSgn>	[0..1]	Indicator		828
	ProductAmount <PdctAmt>	[1..1]	Amount		829
	ProductAmountSign <PdctAmtSgn>	[0..1]	Indicator		829
	ValueAddedTax <ValAddedTax>	[0..1]	Amount		829
	TaxType <TaxTp>	[0..1]	Text		829
	ProductDescription <PdctDesc>	[0..1]	Text		829
	DeliveryLocation <DlvryLctn>	[0..1]	Text		829
	DeliveryService <DlvrySvc>	[0..1]	CodeSet		829
	SaleChannel <SaleChanl>	[0..1]	Text		830
	AdditionalProductDescription <AddtlPdctDesc>	[0..1]	Text		830

18.1.8.16.1 ItemIdentification <ItmId>

Presence: [0..1]

Definition: Identification of the item inside the purchase transaction.

Datatype: "Max35Text" on page 981

18.1.8.16.2 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 982

18.1.8.16.3 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: "Max70Text" on page 982

18.1.8.16.4 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure6Code" on page 972

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.

18.1.8.16.5 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Product quantity.

Datatype: "DecimalNumber" on page 976

18.1.8.16.6 UnitPrice <UnitPric>

Presence: [0..1]

Definition: Price per unit of product.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.16.7 UnitPriceSign <UnitPricSgn>

Presence: [0..1]

Definition: Sign of the unit price.

Datatype: One of the following values must be used (see "PlusOrMinusIndicator" on page 976):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

18.1.8.16.8 ProductAmount <PdctAmt>

Presence: [1..1]

Definition: Monetary value of purchased product.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.16.9 ProductAmountSign <PdctAmtSgn>

Presence: [0..1]

Definition: Sign of the product amount.

Datatype: One of the following values must be used (see "PlusOrMinusIndicator" on page 976):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

18.1.8.16.10 ValueAddedTax <ValAddedTax>

Presence: [0..1]

Definition: Value added tax amount of the item included in the product amount.

Datatype: "ImpliedCurrencyAndAmount" on page 908

18.1.8.16.11 TaxType <TaxTp>

Presence: [0..1]

Definition: Information on tax paid on the product.

Datatype: "Max35Text" on page 981

18.1.8.16.12 ProductDescription <PdctDesc>

Presence: [0..1]

Definition: Description of the product or item.

Datatype: "Max140Text" on page 979

18.1.8.16.13 DeliveryLocation <DlvryLctn>

Presence: [0..1]

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

Datatype: "Max10Text" on page 978

18.1.8.16.14 DeliveryService <DlvrySvc>

Presence: [0..1]

Definition: Identify the method of delivery or distribution of the item.

Datatype: "AttendanceContext2Code" on page 920

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.

18.1.8.16.15 SaleChannel <SaleChanI>

Presence: [0..1]

Definition: Commercial or distribution channel associated to the line item.

Datatype: "Max70Text" on page 982

18.1.8.16.16 AdditionalProductDescription <AddtlPdctDesc>

Presence: [0..1]

Definition: Additional information related to the line item.

Datatype: "Max256Text" on page 980

18.1.8.17 Vehicle1

Definition: Information related to a vehicle used during a transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VehicleNumber <VhclNb>	[0..1]	Text		831
	TrailerNumber <TrlrNb>	[0..1]	Text		831
	VehicleTag <VhclTag>	[0..1]	Text		832
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		832
	UnitNumber <UnitNb>	[0..1]	Text		832
	ReplacementCar <RplcmntCar>	[0..1]	Indicator		832
	Odometer <Odmttr>	[0..1]	Quantity		832
	Hubometer <Hbmtr>	[0..1]	Quantity		833
	TrailerHours <TrlrHrs>	[0..1]	Text		833
	ReferHours <RefrHrs>	[0..1]	Text		833
	Maintenanceldentification <Mntncld>	[0..1]	Text		833
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			833
	PAN <PAN>	[0..1]	Text		833
	Track1 <Trck1>	[0..1]	Text		834
	Track2 <Trck2>	[0..1]	Text		834
	Track3 <Trck3>	[0..1]	Text		834
	AdditionalCardData <AddtlCardData>	[0..*]	Text		834
	EntryMode <NtryMd>	[0..1]	CodeSet		834
	AdditionalVehicleData <AddtlVhclData>	[0..*]			835
	Type <Tp>	[0..1]	Text		835
	EntryMode <NtryMd>	[0..1]	CodeSet		835
	Data <Data>	[1..1]	Text		836

18.1.8.17.1 VehicleNumber <VhclNb>

Presence: [0..1]

Definition: Number assigned to the vehicle for identification.

Datatype: "Max35NumericText" on page 981

18.1.8.17.2 TrailerNumber <TrlrNb>

Presence: [0..1]

Definition: Number assigned to the vehicle trailer for identification.

Datatype: "Max35NumericText" on page 981

18.1.8.17.3 VehicleTag <VhclTag>

Presence: [0..1]

Definition: Registration tag of the vehicle.

Datatype: "Max35Text" on page 981

18.1.8.17.4 VehicleTagEntryMode <VhclTagNtryMd>

Presence: [0..1]

Definition: Entry mode of the registration tag.

Datatype: "CardDataReading5Code" on page 926

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.

18.1.8.17.5 UnitNumber <UnitNb>

Presence: [0..1]

Definition: Identification of the vehicle in the fleet.

Datatype: "Max35NumericText" on page 981

18.1.8.17.6 ReplacementCar <RplcmntCar>

Presence: [0..1]

Definition: True if the car is a replacement car.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.8.17.7 Odometer <Odmtr>

Presence: [0..1]

Definition: Odometer reading value indicating the distance travelled by the vehicle.

Datatype: "DecimalNumber" on page 976

18.1.8.17.8 Hubometer <Hbmtr>

Presence: [0..1]

Definition: Hubometer reading value indicating the distance travelled by the trailer.

Datatype: "DecimalNumber" on page 976

18.1.8.17.9 TrailerHours <TrlrHrs>

Presence: [0..1]

Definition: Number of hours the trailer has been in operation.

Datatype: "Max35Text" on page 981

18.1.8.17.10 ReferHours <RefrHrs>

Presence: [0..1]

Definition: Number of hours the refer unit has been in operation.

Datatype: "Max35Text" on page 981

18.1.8.17.11 Maintenanceldentification <Mntncld>

Presence: [0..1]

Definition: Identification assigned to the vehicle related to maintenance.

Datatype: "Max35Text" on page 981

18.1.8.17.12 DriverOrVehicleCard <DrvrOrVhclCard>

Presence: [0..1]

Definition: Second card presented for the payment transaction.

DriverOrVehicleCard <DrvrOrVhclCard> contains the following **PlainCardData17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		833
	Track1 <Trck1>	[0..1]	Text		834
	Track2 <Trck2>	[0..1]	Text		834
	Track3 <Trck3>	[0..1]	Text		834
	AdditionalCardData <AddtlCardData>	[0..*]	Text		834
	EntryMode <NtryMd>	[0..1]	CodeSet		834

18.1.8.17.12.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 984

18.1.8.17.12.2 Track1 <Trck1>

Presence: [0..1]

Definition: ISO track 1 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The format is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max76Text" on page 982

18.1.8.17.12.3 Track2 <Trck2>

Presence: [0..1]

Definition: ISO track 2 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max37Text" on page 981

18.1.8.17.12.4 Track3 <Trck3>

Presence: [0..1]

Definition: ISO track 3 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 4909, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max104Text" on page 978

18.1.8.17.12.5 AdditionalCardData <AddtlCardData>

Presence: [0..*]

Definition: Additional card issuer specific data.

Datatype: "Max35Text" on page 981

18.1.8.17.12.6 EntryMode <NtryMd>

Presence: [0..1]

Definition: Entry mode of the card.

Datatype: "CardDataReading5Code" on page 926

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.

18.1.8.17.13 AdditionalVehicleData <AddtlVhclData>

Presence: [0..*]

Definition: Additional information related to the vehicle.

AdditionalVehicleData <AddtlVhclData> contains the following **Vehicle2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		835
	EntryMode <NtryMd>	[0..1]	CodeSet		835
	Data <Data>	[1..1]	Text		836

18.1.8.17.13.1 Type <Tp>

Presence: [0..1]

Definition: Type of information related to the vehicle.

Datatype: "Max35Text" on page 981

18.1.8.17.13.2 EntryMode <NtryMd>

Presence: [0..1]

Definition: Entry mode of the information.

Datatype: "CardDataReading5Code" on page 926

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.

18.1.8.17.13.3 Data <Data>

Presence: [1..1]

Definition: Information related to the vehicle.

Datatype: "Max35Text" on page 981

18.1.8.18 EncapsulatedContent3

Definition: Data to authenticate.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		836
	Content <Cntt>	[0..1]	Binary		836

18.1.8.18.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been authenticated.

Datatype: "ContentType2Code" on page 932

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).

18.1.8.18.2 Content <Cntt>

Presence: [0..1]

Definition: Actual data to authenticate.

Datatype: "Max100KBinary" on page 909

18.1.8.19 TransactionIdentifier1

Definition: Identification of the transaction in an unambiguous way.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		837
	TransactionReference <TxRef>	[1..1]	Text		837

18.1.8.19.1 TransactionDateTime <TxDtTm>

Presence: [1..1]

Definition: Local date and time of the transaction assigned by the POI (Point Of Interaction).

Datatype: "ISODateTime" on page 974

18.1.8.19.2 TransactionReference <TxRef>

Presence: [1..1]

Definition: Identification of the transaction that has to be unique for a time period.

Datatype: "Max35Text" on page 981

18.1.9 Monitoring

18.1.9.1 Traceability8

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		837
	ProtocolName <PrtcolNm>	[0..1]	Text		838
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		838
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		838
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		838

18.1.9.1.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlyId> contains the following elements (see "[GenericIdentification177](#)" on page 666 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		666
	Type <Tp>	[0..1]	CodeSet		667
	Issuer <Issr>	[0..1]	CodeSet		667
	Country <Ctry>	[0..1]	Text		668
	ShortName <ShrtNm>	[0..1]	Text		668
	RemoteAccess <RmotAccs>	[0..1]	±		668
	Geolocation <Glctn>	[0..1]			668
	GeographicCoordinates <GeogcCordints>	[0..1]			669
	Latitude <Lat>	[1..1]	Text		669
	Longitude <Long>	[1..1]	Text		669
	UTMCoordinates <UTMCordints>	[0..1]			669
	UTMZone <UTMZone>	[1..1]	Text		670
	UTMEastward <UTMEstwr>	[1..1]	Text		670
	UTMNorthward <UTMNrthwr>	[1..1]	Text		670

18.1.9.1.2 ProtocolName <PrtcolNm>

Presence: [0..1]

Definition: Name of the outgoing protocol used by the node.

Datatype: "[Max35Text](#)" on page 981

18.1.9.1.3 ProtocolVersion <PrtcolVrsn>

Presence: [0..1]

Definition: Version of the protocol.

Datatype: "[Max6Text](#)" on page 982

18.1.9.1.4 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 974

18.1.9.1.5 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 974

18.1.9.2 TMSEvent9

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TimeStamp <TmStmp>	[1..1]	DateTime		839
	Result <RsIt>	[1..1]	CodeSet		839
	ActionIdentification <ActnId>	[1..1]			840
	ActionType <ActnTp>	[1..1]	CodeSet		840
	DataSetIdentification <DataSetId>	[0..1]	±		841
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		841
	TerminalManagerIdentification <TermnlMgrld>	[0..1]	Text		841
	DeviceResponse <DvcRspn>	[0..1]	±		841

18.1.9.2.1 TimeStamp <TmStmp>

Presence: [1..1]

Definition: Date time of the terminal management action performed by the point of interaction.

Datatype: "ISODatetime" on page 974

18.1.9.2.2 Result <RsIt>

Presence: [1..1]

Definition: Final result of the processed terminal management action.

Datatype: "TerminalManagementActionResult5Code" on page 968

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.

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.

18.1.9.2.3 ActionIdentification <ActnId>

Presence: [1..1]

Definition: Identification of the terminal management action performed by the point of interaction.

ActionIdentification <ActnId> contains the following **TMSActionIdentification8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		840
	DataSetIdentification <DataSetId>	[0..1]	±		841

18.1.9.2.3.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Types of terminal management action performed by a point of interaction.

Datatype: "TerminalManagementAction5Code" on page 967

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.

18.1.9.2.3.2 DataSetIdentification <DataSetId>

Presence: [0..1]

Definition: Data set on which the action has been performed.

DataSetIdentification <DataSetId> contains the following elements (see "[DataSetIdentification9](#)" on page 715 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		715
	Type <Tp>	[1..1]	CodeSet		715
	Version <Vrsn>	[0..1]	Text		717
	CreationDateTime <CreDtTm>	[0..1]	DateTime		717

18.1.9.2.4 AdditionalErrorInformation <AddtlErrInf>

Presence: [0..1]

Definition: Additional information related to a failure.

Datatype: "[Max70Text](#)" on page 982

18.1.9.2.5 TerminalManagerIdentification <TermnlMgrId>

Presence: [0..1]

Definition: Identification of the terminal management system (TMS) used with the action.

Datatype: "[Max35Text](#)" on page 981

18.1.9.2.6 DeviceResponse <DvcRspn>

Presence: [0..1]

Definition: Response of a device request done previously.

DeviceResponse <DvcRspn> contains the following elements (see "DeviceResponse5" on page 590 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		592
	Context <Cntxt>	[0..1]	±		598
	ServiceContent <SvcCntt>	[1..1]	CodeSet		601
	DisplayResponse <DispRspn>	[0..1]			601
	OutputResult <OutptRslt>	[1..*]			602
	DeviceType <DvcTp>	[1..1]	CodeSet		602
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		602
	Response <Rspn>	[1..1]	±		603
	InputResponse <InptRspn>	[0..1]			603
	OutputResult <OutptRslt>	[0..1]			604
	DeviceType <DvcTp>	[1..1]	CodeSet		604
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		605
	Response <Rspn>	[1..1]	±		606
	InputResult <InptRslt>	[1..1]			606
	DeviceType <DvcTp>	[1..1]	CodeSet		606
	InformationQualifier <InfQlfr>	[1..1]	CodeSet		607
	InputResultData <InptRsltData>	[1..1]			607
	InputCommand <InptCmd>	[1..1]	CodeSet		608
	ConfirmedFlag <ConfdFlg>	[0..1]	Indicator		609
	FunctionKey <FctnKey>	[0..1]	Quantity		609
	InputMessage <InptMsg>	[0..1]	Text		609
	Password <Pwd>	[0..1]	±		609
	ImageCapturedSignature <ImgCaptrdSgntr>	[0..1]			610
	ImageFormat <ImgFrmt>	[1..1]	Text		610
	ImageData <ImgData>	[0..1]	Binary		610
	ImageReference <ImgRef>	[0..1]	Text		610
	AdditionalInformation <AddtlInf>	[0..1]	Text		610
	PrintResponse <PrtRspn>	[0..1]			610
	DocumentQualifier <DocQlfr>	[1..1]	CodeSet		610
	SecureInputResponse <ScrInptRspn>	[0..1]			611

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderPIN <CrhdldrPIN>	[0..1]			611
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		612
	PINFormat <PINFrmt>	[1..1]	CodeSet		612
	AdditionalInput <AddtlInpt>	[0..1]	Text		612
	InitialisationCardReaderResponse <InitlstnCardRdrRspn>	[0..1]			612
	CardEntryMode <CardNtryMd>	[0..1]	CodeSet		613
	ICCRResetData <ICCRstData>	[0..1]			613
	ATRValue <ATRVAl>	[0..1]	Binary		614
	CardStatus <CardSts>	[0..1]	Binary		614
	AdditionalInformation <AddtlInf>	[0..1]	Binary		614
	CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>	[0..1]			614
	Data <Data>	[0..1]	Binary		614
	CardStatus <CardSts>	[1..1]	Binary		614
	TransmissionResponse <TrnsmssnRspn>	[0..1]			615
	ReceivedMessage <RcvdMsg>	[0..1]	Binary		615
	Response <Rspn>	[1..1]	±		615
	SupplementaryData <SplmtryData>	[0..*]	±	C5	615

18.1.10 Network Access

18.1.10.1 NetworkParameters7

Definition: Parameters to communicate with a host.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..*]			844
	NetworkType <NtwkTp>	[1..1]	CodeSet		844
	AddressValue <AdrVal>	[1..1]	Text		844
	UserName <UsrNm>	[0..1]	Text		844
	AccessCode <AccsCd>	[0..1]	Binary		845
	ServerCertificate <SvrCert>	[0..*]	Binary		845
	ServerCertificateIdentifier <SvrCertIdr>	[0..*]	Binary		845
	ClientCertificate <ClntCert>	[0..*]	Binary		845
	SecurityProfile <SctyPrfl>	[0..1]	Text		845

18.1.10.1.1 Address <Adr>

Presence: [1..*]

Definition: Network addresses of the host.

Address <Adr> contains the following **NetworkParameters9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NetworkType <NtwkTp>	[1..1]	CodeSet		844
	AddressValue <AdrVal>	[1..1]	Text		844

18.1.10.1.1.1 NetworkType <NtwkTp>

Presence: [1..1]

Definition: Type of communication network.

Datatype: "NetworkType1Code" on page 945

CodeName	Name	Definition
IPNW	InternetProtocol	Protocol of an IP network.
PSTN	PublicTelephone	Protocol of a Public Switched Telephone Network (PSTN).

18.1.10.1.1.2 AddressValue <AdrVal>

Presence: [1..1]

Definition: Value of the address. The value of an internet protocol address contains the IP address or the DNS (Domain Name Server) address, followed by the character ':' and the port number if the default port is not used. The value of a public telephone address contains the phone number with possible prefix and extensions.

Datatype: "Max500Text" on page 982

18.1.10.1.2 UserName <UsrNm>

Presence: [0..1]

Definition: User name identifying the client.

Datatype: "Max35Text" on page 981

18.1.10.1.3 AccessCode <AccsCd>

Presence: [0..1]

Definition: Password authenticating the client.

Datatype: "Max35Binary" on page 910

18.1.10.1.4 ServerCertificate <SvrCert>

Presence: [0..*]

Definition: X.509 Certificate required to authenticate the server.

Datatype: "Max10KBinary" on page 909

18.1.10.1.5 ServerCertificateIdentifier <SvrCertIdr>

Presence: [0..*]

Definition: Identification of the X.509 Certificates required to authenticate the server, for instance a digest of the certificate.

Datatype: "Max140Binary" on page 909

18.1.10.1.6 ClientCertificate <CIntCert>

Presence: [0..*]

Definition: X.509 Certificate required to authenticate the client.

Datatype: "Max10KBinary" on page 909

18.1.10.1.7 SecurityProfile <SctyPrfl>

Presence: [0..1]

Definition: Identification of the set of security elements to access the host.

Datatype: "Max35Text" on page 981

18.1.11 Postal Address

18.1.11.1 PostalAddress22

Definition: Information that locates and identifies a specific address, as defined by postal services.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		846
	Department <Dept>	[0..1]	Text		846
	SubDepartment <SubDept>	[0..1]	Text		846
	AddressLine <AdrLine>	[0..2]	Text		846
	StreetName <StrtNm>	[0..1]	Text		847
	BuildingNumber <BldgNb>	[0..1]	Text		847
	PostCode <PstCd>	[0..1]	Text		847
	TownName <TwnNm>	[0..1]	Text		847
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		847
	CountryCode <CtryCd>	[0..1]	Text		847

18.1.11.1.1 AddressType <AdrTp>

Presence: [0..1]

Definition: Identifies the nature of the postal address.

Datatype: "AddressType2Code" on page 912

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.

18.1.11.1.2 Department <Dept>

Presence: [0..1]

Definition: Identification of a division of a large organisation or building.

Datatype: "Max70Text" on page 982

18.1.11.1.3 SubDepartment <SubDept>

Presence: [0..1]

Definition: Identification of a sub-division of a large organisation or building.

Datatype: "Max70Text" on page 982

18.1.11.1.4 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, presented in free format text.

Datatype: "Max70Text" on page 982

18.1.11.1.5 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 982

18.1.11.1.6 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 979

18.1.11.1.7 PostCode <PstCd>

Presence: [0..1]

Definition: Identifier consisting of a group of letters and/or numbers that is added to a postal address to assist the sorting of mail.

Datatype: "Max16Text" on page 979

18.1.11.1.8 TownName <TwnNm>

Presence: [0..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max70Text" on page 982

18.1.11.1.9 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country such as state, region, county.

Datatype: "Max35Text" on page 981

18.1.11.1.10 CountryCode <CtryCd>

Presence: [0..1]

Definition: Nation with its own government.

Datatype: "Min2Max3AlphaText" on page 983

18.1.12 Secure Element

18.1.12.1 DigestedData5

Definition: Digest computed on the identified data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		848
	DigestAlgorithm <DgstAlgo>	[1..1]	±		848
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		848
	Digest <Dgst>	[1..1]	Binary		848

18.1.12.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 977

18.1.12.1.2 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

DigestAlgorithm <DgstAlgo> contains the following elements (see "AlgorithmIdentification21" on page 897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		897

18.1.12.1.3 EncapsulatedContent <NcpsltdCntt>

Presence: [1..1]

Definition: Data on which the digest is computed.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "EncapsulatedContent3" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		836
	Content <Cntt>	[0..1]	Binary		836

18.1.12.1.4 Digest <Dgst>

Presence: [1..1]

Definition: Result of data-digesting process.

Datatype: "Max140Binary" on page 909

18.1.12.2 AuthenticatedData8

Definition: Message authentication code (MAC), computed on the data to protect with an encryption key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		849
	Recipient <Rcpt>	[1..*]			849
{Or	KeyTransport <KeyTrnsprt>	[1..1]			850
	Version <Vrsn>	[0..1]	Quantity		851
	RecipientIdentification <RcptId>	[1..1]			851
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			851
	Issuer <Issr>	[1..1]			852
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			852
	AttributeType <AttrTp>	[1..1]	CodeSet		852
	AttributeValue <AttrVal>	[1..1]	Text		853
	SerialNumber <SrlNb>	[1..1]	Binary		853
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		853
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		853
	EncryptedKey <NcrptdKey>	[1..1]	Binary		854
Or	KEK <KEK>	[1..1]			854
	Version <Vrsn>	[0..1]	Quantity		854
	KEKIdentification <KEKId>	[1..1]	±		854
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		855
	EncryptedKey <NcrptdKey>	[0..1]	Binary		855
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		855
	MACAlgorithm <MACAlgo>	[1..1]	±		856
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		856
	MAC <MAC>	[1..1]	Binary		856

18.1.12.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 977

18.1.12.2.2 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or protection key identification used by the recipient.

Recipient <Rcpt> contains one of the following **Recipient11Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			850
	Version <Vrsn>	[0..1]	Quantity		851
	RecipientIdentification <RcptId>	[1..1]			851
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			851
	Issuer <Issr>	[1..1]			852
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			852
	AttributeType <AttrTp>	[1..1]	CodeSet		852
	AttributeValue <AttrVal>	[1..1]	Text		853
	SerialNumber <SrlNb>	[1..1]	Binary		853
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		853
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		853
	EncryptedKey <NcrptdKey>	[1..1]	Binary		854
Or	KEK <KEK>	[1..1]			854
	Version <Vrsn>	[0..1]	Quantity		854
	KEKIdentification <KEKId>	[1..1]	±		854
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		855
	EncryptedKey <NcrptdKey>	[0..1]	Binary		855
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		855

18.1.12.2.2.1 KeyTransport <KeyTrnsprt>

Presence: [1..1]

Definition: Encryption key using previously distributed asymmetric public key.

KeyTransport <KeyTrnsprt> contains the following **KeyTransport8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		851
	RecipientIdentification <Rcptld>	[1..1]			851
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			851
	Issuer <Issr>	[1..1]			852
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			852
	AttributeType <AttrTp>	[1..1]	CodeSet		852
	AttributeValue <AttrVal>	[1..1]	Text		853
	SerialNumber <SrlNb>	[1..1]	Binary		853
Or}	KeyIdentifier <Keyldr>	[1..1]	±		853
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		853
	EncryptedKey <NcrptdKey>	[1..1]	Binary		854

18.1.12.2.2.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 977

18.1.12.2.2.1.2 RecipientIdentification <Rcptld>

Presence: [1..1]

Definition: Identification of a cryptographic asymmetric key for the recipient.

RecipientIdentification <Rcptld> contains one of the following **Recipient12Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			851
	Issuer <Issr>	[1..1]			852
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			852
	AttributeType <AttrTp>	[1..1]	CodeSet		852
	AttributeValue <AttrVal>	[1..1]	Text		853
	SerialNumber <SrlNb>	[1..1]	Binary		853
Or}	KeyIdentifier <Keyldr>	[1..1]	±		853

18.1.12.2.2.1.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrInb> contains the following **IssuerAndSerialNumber2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			852
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			852
	AttributeType <AttrTp>	[1..1]	CodeSet		852
	AttributeValue <AttrVal>	[1..1]	Text		853
	SerialNumber <SrInb>	[1..1]	Binary		853

18.1.12.2.2.1.2.1.1 Issuer <Issr>

Presence: [1..1]

Definition: Certificate issuer name (see X.509).

Issuer <Issr> contains the following **CertificateIssuer1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			852
	AttributeType <AttrTp>	[1..1]	CodeSet		852
	AttributeValue <AttrVal>	[1..1]	Text		853

18.1.12.2.2.1.2.1.1.1 RelativeDistinguishedName <RltvDstngshdNm>

Presence: [1..*]

Definition: Relative distinguished name inside a X.509 certificate.

RelativeDistinguishedName <RltvDstngshdNm> contains the following **RelativeDistinguishedName1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AttributeType <AttrTp>	[1..1]	CodeSet		852
	AttributeValue <AttrVal>	[1..1]	Text		853

18.1.12.2.2.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 920

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).

18.1.12.2.2.1.2.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 979

18.1.12.2.2.1.2.1.2 SerialNumber <SrlNb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 910

18.1.12.2.2.1.2.2 KeyIdentifier <KeyIdr>

Presence: [1..1]

Definition: Identifier of a cryptographic asymmetric key, previously exchanged between initiator and recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "KEKIdentifier7" on page 554 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		554
	KeyVersion <KeyVrsn>	[1..1]	Text		554
	SequenceNumber <SeqNb>	[0..1]	Quantity		554
	DerivationIdentification <DerivtnId>	[0..1]	Binary		554

18.1.12.2.2.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification19" on page 898 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		898
	Parameter <Param>	[0..1]			898
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		899
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		899
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		900

18.1.12.2.2.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 910

18.1.12.2.2.2 KEK <KEK>

Presence: [1..1]

Definition: Key encryption key using previously distributed symmetric key.

KEK <KEK> contains the following **KEK8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		854
	KEKIdentification <KEKId>	[1..1]	±		854
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		855
	EncryptedKey <NcrptdKey>	[0..1]	Binary		855

18.1.12.2.2.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 977

18.1.12.2.2.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following elements (see "[KEKIdentifier7](#)" on page 554 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		554
	KeyVersion <KeyVrsn>	[1..1]	Text		554
	SequenceNumber <SeqNb>	[0..1]	Quantity		554
	DerivationIdentification <DerivtnId>	[0..1]	Binary		554

18.1.12.2.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "[AlgorithmIdentification29](#)" on page 890 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		890
	Parameter <Param>	[0..1]			892
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		893
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		893
	BytePadding <BPddg>	[0..1]	CodeSet		893

18.1.12.2.2.4 EncryptedKey <NcrptdKey>

Presence: [0..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "[Max500Binary](#)" on page 910

18.1.12.2.2.3 KeyIdentifier <KeyIdr>

Presence: [1..1]

Definition: Identification of a protection key without a session key, shared and previously exchanged between the initiator and the recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "[KEKIdentifier7](#)" on page 554 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		554
	KeyVersion <KeyVrsn>	[1..1]	Text		554
	SequenceNumber <SeqNb>	[0..1]	Quantity		554
	DerivationIdentification <DerivtnId>	[0..1]	Binary		554

18.1.12.2.3 MACAlgorithm <MACAlgo>

Presence: [1..1]

Definition: Algorithm to compute message authentication code (MAC).

MACAlgorithm <MACAlgo> contains the following elements (see "[AlgorithmIdentification22](#)" on page 894 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		894
	Parameter <Param>	[0..1]			896
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		896
	BytePadding <BPddg>	[0..1]	CodeSet		896

18.1.12.2.4 EncapsulatedContent <NcpsltdCntt>

Presence: [1..1]

Definition: Data to authenticate.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "[EncapsulatedContent3](#)" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		836
	Content <Cntt>	[0..1]	Binary		836

18.1.12.2.5 MAC <MAC>

Presence: [1..1]

Definition: Message authentication code value.

Datatype: "[Max140Binary](#)" on page 909

18.1.12.3 EnvelopedData9

Definition: Encrypted data with encryption key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		857
	OriginatorInformation <OrgtrlInf>	[0..1]			858
	Certificate <Cert>	[0..*]	Binary		858
	Recipient <Rcpt>	[1..*]			858
{Or	KeyTransport <KeyTrnsprt>	[1..1]			859
	Version <Vrsn>	[0..1]	Quantity		860
	RecipientIdentification <RcptId>	[1..1]			860
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			860
	Issuer <Issr>	[1..1]			861
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			861
	AttributeType <AttrTp>	[1..1]	CodeSet		861
	AttributeValue <AttrVal>	[1..1]	Text		862
	SerialNumber <SrlNb>	[1..1]	Binary		862
Or}	KeyIdentifier <Keyldr>	[1..1]	±		862
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		862
	EncryptedKey <NcrptdKey>	[1..1]	Binary		863
Or	KEK <KEK>	[1..1]			863
	Version <Vrsn>	[0..1]	Quantity		863
	KEKIdentification <KEKId>	[1..1]	±		863
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		864
	EncryptedKey <NcrptdKey>	[0..1]	Binary		864
Or}	KeyIdentifier <Keyldr>	[1..1]	±		864
	EncryptedContent <NcrptdCntt>	[0..1]			865
	ContentType <CnttTp>	[1..1]	CodeSet		865
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		865
	EncryptedData <NcrptdData>	[1..1]	Binary		866

18.1.12.3.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 977

18.1.12.3.2 OriginatorInformation <OrgtrInf>

Presence: [0..1]

Definition: Provides certificates of the originator.

OriginatorInformation <OrgtrInf> contains the following **OriginatorInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Certificate <Cert>	[0..*]	Binary		858

18.1.12.3.2.1 Certificate <Cert>

Presence: [0..*]

Definition: It may contain originator certificates associated with several different key management algorithms.

Datatype: "Max5000Binary" on page 910

18.1.12.3.3 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or identification of the protection key used by the recipient.

Recipient <Rcpt> contains one of the following **Recipient11Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			859
	Version <Vrsn>	[0..1]	Quantity		860
	RecipientIdentification <RcptId>	[1..1]			860
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			860
	Issuer <Issr>	[1..1]			861
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			861
	AttributeType <AttrTp>	[1..1]	CodeSet		861
	AttributeValue <AttrVal>	[1..1]	Text		862
	SerialNumber <SrlNb>	[1..1]	Binary		862
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		862
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		862
	EncryptedKey <NcrptdKey>	[1..1]	Binary		863
Or	KEK <KEK>	[1..1]			863
	Version <Vrsn>	[0..1]	Quantity		863
	KEKIdentification <KEKId>	[1..1]	±		863
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		864
	EncryptedKey <NcrptdKey>	[0..1]	Binary		864
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		864

18.1.12.3.3.1 KeyTransport <KeyTrnsprt>

Presence: [1..1]

Definition: Encryption key using previously distributed asymmetric public key.

KeyTransport <KeyTrnsprt> contains the following **KeyTransport8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		860
	RecipientIdentification <Rcptld>	[1..1]			860
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			860
	Issuer <Issr>	[1..1]			861
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			861
	AttributeType <AttrTp>	[1..1]	CodeSet		861
	AttributeValue <AttrVal>	[1..1]	Text		862
	SerialNumber <SrlNb>	[1..1]	Binary		862
Or}	KeyIdentifier <Keyldr>	[1..1]	±		862
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		862
	EncryptedKey <NcrptdKey>	[1..1]	Binary		863

18.1.12.3.3.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 977

18.1.12.3.3.1.2 RecipientIdentification <Rcptld>

Presence: [1..1]

Definition: Identification of a cryptographic asymmetric key for the recipient.

RecipientIdentification <Rcptld> contains one of the following **Recipient12Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			860
	Issuer <Issr>	[1..1]			861
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			861
	AttributeType <AttrTp>	[1..1]	CodeSet		861
	AttributeValue <AttrVal>	[1..1]	Text		862
	SerialNumber <SrlNb>	[1..1]	Binary		862
Or}	KeyIdentifier <Keyldr>	[1..1]	±		862

18.1.12.3.3.1.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrInb> contains the following **IssuerAndSerialNumber2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			861
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			861
	AttributeType <AttrTp>	[1..1]	CodeSet		861
	AttributeValue <AttrVal>	[1..1]	Text		862
	SerialNumber <SrInb>	[1..1]	Binary		862

18.1.12.3.3.1.2.1.1 Issuer <Issr>

Presence: [1..1]

Definition: Certificate issuer name (see X.509).

Issuer <Issr> contains the following **CertificateIssuer1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			861
	AttributeType <AttrTp>	[1..1]	CodeSet		861
	AttributeValue <AttrVal>	[1..1]	Text		862

18.1.12.3.3.1.2.1.1.1 RelativeDistinguishedName <RltvDstngshdNm>

Presence: [1..*]

Definition: Relative distinguished name inside a X.509 certificate.

RelativeDistinguishedName <RltvDstngshdNm> contains the following **RelativeDistinguishedName1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AttributeType <AttrTp>	[1..1]	CodeSet		861
	AttributeValue <AttrVal>	[1..1]	Text		862

18.1.12.3.3.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 920

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).

18.1.12.3.3.1.2.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 979

18.1.12.3.3.1.2.1.2 SerialNumber <SrlNb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 910

18.1.12.3.3.1.2.2 KeyIdentifier <KeyIdr>

Presence: [1..1]

Definition: Identifier of a cryptographic asymmetric key, previously exchanged between initiator and recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "KEKIdentifier7" on page 554 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		554
	KeyVersion <KeyVrsn>	[1..1]	Text		554
	SequenceNumber <SeqNb>	[0..1]	Quantity		554
	DerivationIdentification <DerivtnId>	[0..1]	Binary		554

18.1.12.3.3.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification19" on page 898 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		898
	Parameter <Param>	[0..1]			898
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		899
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		899
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		900

18.1.12.3.3.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 910

18.1.12.3.3.2 KEK <KEK>

Presence: [1..1]

Definition: Key encryption key using previously distributed symmetric key.

KEK <KEK> contains the following **KEK8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		863
	KEKIdentification <KEKId>	[1..1]	±		863
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		864
	EncryptedKey <NcrptdKey>	[0..1]	Binary		864

18.1.12.3.3.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 977

18.1.12.3.3.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following elements (see "[KEKIdentifier7](#)" on page 554 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		554
	KeyVersion <KeyVrsn>	[1..1]	Text		554
	SequenceNumber <SeqNb>	[0..1]	Quantity		554
	DerivationIdentification <DerivtnId>	[0..1]	Binary		554

18.1.12.3.3.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "[AlgorithmIdentification29](#)" on page 890 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		890
	Parameter <Param>	[0..1]			892
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		893
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		893
	BytePadding <BPddg>	[0..1]	CodeSet		893

18.1.12.3.3.2.4 EncryptedKey <NcrptdKey>

Presence: [0..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "[Max500Binary](#)" on page 910

18.1.12.3.3.3 KeyIdentifier <KeyIdr>

Presence: [1..1]

Definition: Identification of a protection key without a session key, shared and previously exchanged between the initiator and the recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "[KEKIdentifier7](#)" on page 554 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		554
	KeyVersion <KeyVrsn>	[1..1]	Text		554
	SequenceNumber <SeqNb>	[0..1]	Quantity		554
	DerivationIdentification <DerivtnId>	[0..1]	Binary		554

18.1.12.3.4 EncryptedContent <NcrptdCntt>

Presence: [0..1]

Definition: Data protection by encryption (digital envelope), with an encryption key.

EncryptedContent <NcrptdCntt> contains the following **EncryptedContent6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		865
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		865
	EncryptedData <NcrptdData>	[1..1]	Binary		866

18.1.12.3.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been encrypted.

Datatype: "ContentType2Code" on page 932

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).

18.1.12.3.4.2 ContentEncryptionAlgorithm <CnttNcrptnAlgo>

Presence: [0..1]

Definition: Algorithm used to encrypt the data.

ContentEncryptionAlgorithm <CnttNcrptnAlgo> contains the following elements (see "AlgorithmIdentification29" on page 890 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		890
	Parameter <Param>	[0..1]			892
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		893
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		893
	BytePadding <BPddg>	[0..1]	CodeSet		893

18.1.12.3.4.3 EncryptedData <NcrptdData>

Presence: [1..1]

Definition: Encrypted data, result of the content encryption.

Datatype: "Max100KBinary" on page 909

18.1.12.4 SignedData7

Definition: Digital signatures of data from one or several signers.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		866
	DigestAlgorithm <DgstAlgo>	[0..*]	±		867
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		867
	Certificate <Cert>	[0..*]	Binary		867
	Signer <Sgnr>	[0..*]			867
	Version <Vrsn>	[0..1]	Quantity		868
	SignerIdentification <SgnrId>	[0..1]			868
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			869
	Issuer <Issr>	[1..1]			869
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			869
	AttributeType <AttrTp>	[1..1]	CodeSet		870
	AttributeValue <AttrVal>	[1..1]	Text		870
	SerialNumber <SrlNb>	[1..1]	Binary		870
Or}	KeyIdentifier <Keyldr>	[1..1]	±		870
	DigestAlgorithm <DgstAlgo>	[1..1]	±		871
	SignedAttributes <SgndAttrbts>	[0..*]			871
	Name <Nm>	[1..1]	Text		871
	Value <Val>	[0..1]	Text		871
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		871
	Signature <Sgntr>	[1..1]	Binary		872

18.1.12.4.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 977

18.1.12.4.2 DigestAlgorithm <DgstAlgo>

Presence: [0..*]

Definition: Identification of digest algorithm applied before signature.

DigestAlgorithm <DgstAlgo> contains the following elements (see "[AlgorithmIdentification21](#)" on page 897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		897

18.1.12.4.3 EncapsulatedContent <NcpsltdCntt>

Presence: [0..1]

Definition: Data to sign.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "[EncapsulatedContent3](#)" on page 836 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		836
	Content <Cntt>	[0..1]	Binary		836

18.1.12.4.4 Certificate <Cert>

Presence: [0..*]

Definition: Chain of X.509 certificates.

Datatype: "[Max5000Binary](#)" on page 910

18.1.12.4.5 Signer <Sgnr>

Presence: [0..*]

Definition: Digital signature and identification of a signer.

Signer <Sgnr> contains the following **Signer6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		868
	SignerIdentification <SgnrId>	[0..1]			868
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			869
	Issuer <Issr>	[1..1]			869
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			869
	AttributeType <AttrTp>	[1..1]	CodeSet		870
	AttributeValue <AttrVal>	[1..1]	Text		870
	SerialNumber <SrlNb>	[1..1]	Binary		870
Or}	KeyIdentifier <Keyldr>	[1..1]	±		870
	DigestAlgorithm <DgstAlgo>	[1..1]	±		871
	SignedAttributes <SgndAttrbts>	[0..*]			871
	Name <Nm>	[1..1]	Text		871
	Value <Val>	[0..1]	Text		871
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		871
	Signature <Sgntr>	[1..1]	Binary		872

18.1.12.4.5.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the Cryptographic Message Syntax (CMS) data structure.

Datatype: "Number" on page 977

18.1.12.4.5.2 SignerIdentification <SgnrId>

Presence: [0..1]

Definition: Identification of the entity who has signed the data.

SignerIdentification <SgnrId> contains one of the following **Recipient12Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			869
	Issuer <Issr>	[1..1]			869
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			869
	AttributeType <AttrTp>	[1..1]	CodeSet		870
	AttributeValue <AttrVal>	[1..1]	Text		870
	SerialNumber <SrlNb>	[1..1]	Binary		870
Or}	KeyIdentifier <Keyldr>	[1..1]	±		870

18.1.12.4.5.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrlNb> contains the following **IssuerAndSerialNumber2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			869
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			869
	AttributeType <AttrTp>	[1..1]	CodeSet		870
	AttributeValue <AttrVal>	[1..1]	Text		870
	SerialNumber <SrlNb>	[1..1]	Binary		870

18.1.12.4.5.2.1.1 Issuer <Issr>

Presence: [1..1]

Definition: Certificate issuer name (see X.509).

Issuer <Issr> contains the following **CertificateIssuer1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			869
	AttributeType <AttrTp>	[1..1]	CodeSet		870
	AttributeValue <AttrVal>	[1..1]	Text		870

18.1.12.4.5.2.1.1.1 RelativeDistinguishedName <RltvDstngshdNm>

Presence: [1..*]

Definition: Relative distinguished name inside a X.509 certificate.

RelativeDistinguishedName <RltvDstngshdNm> contains the following
RelativeDistinguishedName1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AttributeType <AttrTp>	[1..1]	CodeSet		870
	AttributeValue <AttrVal>	[1..1]	Text		870

18.1.12.4.5.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 920

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).

18.1.12.4.5.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 979

18.1.12.4.5.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 910

18.1.12.4.5.2.2 KeyIdentifier <Keyldr>

Presence: [1..1]

Definition: Identifier of a cryptographic asymmetric key, previously exchanged between initiator and recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "[KEKIdentifier7](#)" on page 554 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		554
	KeyVersion <KeyVrsn>	[1..1]	Text		554
	SequenceNumber <SeqNb>	[0..1]	Quantity		554
	DerivationIdentification <DerivtnId>	[0..1]	Binary		554

18.1.12.4.5.3 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of a digest algorithm to apply before signature.

DigestAlgorithm <DgstAlgo> contains the following elements (see "[AlgorithmIdentification21](#)" on page 897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		897

18.1.12.4.5.4 SignedAttributes <SgndAttrbts>

Presence: [0..*]

Definition: Collection of attributes that are signed.

SignedAttributes <SgndAttrbts> contains the following **GenericInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		871
	Value <Val>	[0..1]	Text		871

18.1.12.4.5.4.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "[Max70Text](#)" on page 982

18.1.12.4.5.4.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "[Max140Text](#)" on page 979

18.1.12.4.5.5 SignatureAlgorithm <SgntrAlgo>

Presence: [1..1]

Definition: Cryptographic digital signature algorithm.

SignatureAlgorithm <SgntrAlgo> contains the following elements (see "AlgorithmIdentification30" on page 886 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		886
	Parameter <Param>	[0..1]			887
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		888
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			889
	Algorithm <Algo>	[1..1]	CodeSet		889
	Parameter <Param>	[0..1]			889
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		889
	SaltLength <SaltLngth>	[0..1]	Quantity		890
	TrailerField <TrlrFld>	[0..1]	Quantity		890
	OIDCurveName <OIDCrvNm>	[0..1]	Text		890

18.1.12.4.5.6 Signature <Sgntr>

Presence: [1..1]

Definition: Digital signature.

Datatype: "Max3000Binary" on page 910

18.1.12.5 ContentInformationType32

Definition: General cryptographic message syntax (CMS) containing encrypted data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		872
	EnvelopedData <EnvlpdData>	[1..1]	±		873

18.1.12.5.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 932

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).

CodeName	Name	Definition
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

18.1.12.5.2 EnvelopedData <EnvlpdData>

Presence: [1..1]

Definition: Data protection by encryption or by a digital envelope, with an encryption key.

EnvelopedData <EnvlpdData> contains the following elements (see "EnvelopedData9" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		857
	OriginatorInformation <OrgtrlInf>	[0..1]			858
	Certificate <Cert>	[0..*]	Binary		858
	Recipient <Rcpt>	[1..*]			858
{Or	KeyTransport <KeyTrnsprt>	[1..1]			859
	Version <Vrsn>	[0..1]	Quantity		860
	RecipientIdentification <RcptId>	[1..1]			860
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			860
	Issuer <Issr>	[1..1]			861
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			861
	AttributeType <AttrTp>	[1..1]	CodeSet		861
	AttributeValue <AttrVal>	[1..1]	Text		862
	SerialNumber <SrlNb>	[1..1]	Binary		862
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		862
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		862
	EncryptedKey <NcrptdKey>	[1..1]	Binary		863
Or	KEK <KEK>	[1..1]			863
	Version <Vrsn>	[0..1]	Quantity		863
	KEKIdentification <KEKId>	[1..1]	±		863
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		864
	EncryptedKey <NcrptdKey>	[0..1]	Binary		864
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		864
	EncryptedContent <NcrptdCntt>	[0..1]			865
	ContentType <CnttTp>	[1..1]	CodeSet		865
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		865
	EncryptedData <NcrptdData>	[1..1]	Binary		866

18.1.12.6 ContentInformationType30

Definition: General cryptographic message syntax (CMS) containing protected data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		875
	EnvelopedData <EnvlpdData>	[0..1]	±		875
	AuthenticatedData <AuthntcdData>	[0..1]	±		876
	SignedData <SgndData>	[0..1]	±		877
	DigestedData <Dgstddata>	[0..1]	±		878

18.1.12.6.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 932

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).

18.1.12.6.2 EnvelopedData <EnvlpdData>

Presence: [0..1]

Definition: Data protection by encryption, with a session key.

EnvelopedData <EnvpdData> contains the following elements (see "EnvelopedData9" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		857
	OriginatorInformation <OrgtrlInf>	[0..1]			858
	Certificate <Cert>	[0..*]	Binary		858
	Recipient <Rcpt>	[1..*]			858
{Or	KeyTransport <KeyTrnsprt>	[1..1]			859
	Version <Vrsn>	[0..1]	Quantity		860
	RecipientIdentification <RcptId>	[1..1]			860
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			860
	Issuer <Issr>	[1..1]			861
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			861
	AttributeType <AttrTp>	[1..1]	CodeSet		861
	AttributeValue <AttrVal>	[1..1]	Text		862
	SerialNumber <SrlNb>	[1..1]	Binary		862
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		862
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		862
	EncryptedKey <NcrptdKey>	[1..1]	Binary		863
Or	KEK <KEK>	[1..1]			863
	Version <Vrsn>	[0..1]	Quantity		863
	KEKIdentification <KEKId>	[1..1]	±		863
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		864
	EncryptedKey <NcrptdKey>	[0..1]	Binary		864
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		864
	EncryptedContent <NcrptdCntt>	[0..1]			865
	ContentType <CnttTp>	[1..1]	CodeSet		865
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		865
	EncryptedData <NcrptdData>	[1..1]	Binary		866

18.1.12.6.3 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData8" on page 848 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		849
	Recipient <Rcpt>	[1..*]			849
{Or	KeyTransport <KeyTrnsprt>	[1..1]			850
	Version <Vrsn>	[0..1]	Quantity		851
	RecipientIdentification <RcptId>	[1..1]			851
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			851
	Issuer <Issr>	[1..1]			852
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			852
	AttributeType <AttrTp>	[1..1]	CodeSet		852
	AttributeValue <AttrVal>	[1..1]	Text		853
	SerialNumber <SrlNb>	[1..1]	Binary		853
Or}	KeyIdentifier <Keyldr>	[1..1]	±		853
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		853
	EncryptedKey <NcrptdKey>	[1..1]	Binary		854
Or	KEK <KEK>	[1..1]			854
	Version <Vrsn>	[0..1]	Quantity		854
	KEKIdentification <KEKId>	[1..1]	±		854
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		855
	EncryptedKey <NcrptdKey>	[0..1]	Binary		855
Or}	KeyIdentifier <Keyldr>	[1..1]	±		855
	MACAlgorithm <MACAlgo>	[1..1]	±		856
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		856
	MAC <MAC>	[1..1]	Binary		856

18.1.12.6.4 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData7" on page 866 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		866
	DigestAlgorithm <DgstAlgo>	[0..*]	±		867
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		867
	Certificate <Cert>	[0..*]	Binary		867
	Signer <Sgnr>	[0..*]			867
	Version <Vrsn>	[0..1]	Quantity		868
	SignerIdentification <SgnrId>	[0..1]			868
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			869
	Issuer <Issr>	[1..1]			869
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			869
	AttributeType <AttrTp>	[1..1]	CodeSet		870
	AttributeValue <AttrVal>	[1..1]	Text		870
	SerialNumber <SrlNb>	[1..1]	Binary		870
Or}	KeyIdentifier <Keyldr>	[1..1]	±		870
	DigestAlgorithm <DgstAlgo>	[1..1]	±		871
	SignedAttributes <SgndAttrbts>	[0..*]			871
	Name <Nm>	[1..1]	Text		871
	Value <Val>	[0..1]	Text		871
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		871
	Signature <Sgntr>	[1..1]	Binary		872

18.1.12.6.5 DigestedData <DgstData>

Presence: [0..1]

Definition: Data protected by a digest.

DigestedData <DgstData> contains the following elements (see "DigestedData5" on page 847 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		848
	DigestAlgorithm <DgstAlgo>	[1..1]	±		848
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		848
	Digest <Dgst>	[1..1]	Binary		848

18.1.12.7 ContentInformationType29

Definition: General cryptographic message syntax (CMS) containing data. protected by a MAC or a digital signature.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		879
	AuthenticatedData <AuthntcdData>	[0..1]	±		879
	SignedData <SgndData>	[0..1]	±		880

18.1.12.7.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 932

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).

18.1.12.7.2 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData8" on page 848 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		849
	Recipient <Rcpt>	[1..*]			849
{Or	KeyTransport <KeyTrnsprt>	[1..1]			850
	Version <Vrsn>	[0..1]	Quantity		851
	RecipientIdentification <RcptId>	[1..1]			851
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			851
	Issuer <Issr>	[1..1]			852
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			852
	AttributeType <AttrTp>	[1..1]	CodeSet		852
	AttributeValue <AttrVal>	[1..1]	Text		853
	SerialNumber <SrlNb>	[1..1]	Binary		853
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		853
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		853
	EncryptedKey <NcrptdKey>	[1..1]	Binary		854
Or	KEK <KEK>	[1..1]			854
	Version <Vrsn>	[0..1]	Quantity		854
	KEKIdentification <KEKId>	[1..1]	±		854
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		855
	EncryptedKey <NcrptdKey>	[0..1]	Binary		855
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		855
	MACAlgorithm <MACAlgo>	[1..1]	±		856
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		856
	MAC <MAC>	[1..1]	Binary		856

18.1.12.7.3 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData7" on page 866 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		866
	DigestAlgorithm <DgstAlgo>	[0..*]	±		867
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		867
	Certificate <Cert>	[0..*]	Binary		867
	Signer <Sgnr>	[0..*]			867
	Version <Vrsn>	[0..1]	Quantity		868
	SignerIdentification <SgnrId>	[0..1]			868
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			869
	Issuer <Issr>	[1..1]			869
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			869
	AttributeType <AttrTp>	[1..1]	CodeSet		870
	AttributeValue <AttrVal>	[1..1]	Text		870
	SerialNumber <SrlNb>	[1..1]	Binary		870
Or}	KeyIdentifier <Keyldr>	[1..1]	±		870
	DigestAlgorithm <DgstAlgo>	[1..1]	±		871
	SignedAttributes <SgndAttrbts>	[0..*]			871
	Name <Nm>	[1..1]	Text		871
	Value <Val>	[0..1]	Text		871
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		871
	Signature <Sgntr>	[1..1]	Binary		872

18.1.12.8 CryptographicKey16

Definition: Cryptographic Key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		882
	AdditionalIdentification <AddtlId>	[0..1]	Binary		882
	Name <Nm>	[0..1]	Text		882
	SecurityProfile <SctyPrfl>	[0..1]	Text		883
	ItemNumber <ItmNb>	[0..1]	Text		883
	Version <Vrsn>	[1..1]	Text		883
	Type <Tp>	[0..1]	CodeSet		883
	Function <Fctn>	[0..*]	CodeSet		884
	ActivationDate <ActvtnDt>	[0..1]	DateTime		884
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		884
	KeyValue <KeyVal>	[0..1]	±		885
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		885
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			885
	Name <Nm>	[1..1]	Text		885
	Value <Val>	[0..1]	Text		885

18.1.12.8.1 Identification <Id>

Presence: [1..1]

Definition: Name of the cryptographic key.

Datatype: "Max350Text" on page 980

18.1.12.8.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification of the key.

Usage

For derived unique key per transaction (DUKPT) keys, the key serial number (KSN) with the 21 bits of the transaction counter set to zero.

Datatype: "Max35Binary" on page 910

18.1.12.8.3 Name <Nm>

Presence: [0..1]

Definition: Name of the Cryptographic Element.

Datatype: "Max256Text" on page 980

18.1.12.8.4 SecurityProfile <SctyPrfl>

Presence: [0..1]

Definition: Identification of the set of security elements to which this element belongs.

Datatype: "Max35Text" on page 981

18.1.12.8.5 ItemNumber <itmNb>

Presence: [0..1]

Definition: Hierarchical identification of a key inside all the key system. It is composed of all item numbers of the upper level components, separated by the '.' character, ended by the item number of the current component.

Datatype: "Max35Text" on page 981

18.1.12.8.6 Version <Vrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: "Max256Text" on page 980

18.1.12.8.7 Type <Tp>

Presence: [0..1]

Definition: Type of algorithm used by the cryptographic key.

Datatype: "CryptographicKeyType3Code" on page 933

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE3	DES112	Data encryption standard key of 112 bits (without the parity bits).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A.
AES9	AES192	AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
AES5	AES256	AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).

18.1.12.8.8 Function <Fctn>

Presence: [0..*]

Definition: Allowed usage of the key.

Datatype: "KeyUsage1Code" on page 941

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.

18.1.12.8.9 ActivationDate <Actvtndt>

Presence: [0..1]

Definition: Date and time on which the key must be activated.

Datatype: "ISODateTime" on page 974

18.1.12.8.10 DeactivationDate <Deactvtndt>

Presence: [0..1]

Definition: Date and time on which the key must be deactivated.

Datatype: "ISODateTime" on page 974

18.1.12.8.11 KeyValue <KeyVal>

Presence: [0..1]

Definition: Encrypted cryptographic key.

KeyValue <KeyVal> contains the following elements (see "[ContentInformationType30](#)" on page 874 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		875
	EnvelopedData <EnvlpdData>	[0..1]	±		875
	AuthenticatedData <AuthntcdData>	[0..1]	±		876
	SignedData <SgndData>	[0..1]	±		877
	DigestedData <DgstdData>	[0..1]	±		878

18.1.12.8.12 KeyCheckValue <KeyChckVal>

Presence: [0..1]

Definition: Value for checking a cryptographic key security parameter.

Datatype: "[Max35Binary](#)" on page 910

18.1.12.8.13 AdditionalManagementInformation <AddtlMgmtInf>

Presence: [0..*]

Definition: Additional Information needed by the receiver to securely process the management of the security element.

AdditionalManagementInformation <AddtlMgmtInf> contains the following **GenericInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		885
	Value <Val>	[0..1]	Text		885

18.1.12.8.13.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "[Max70Text](#)" on page 982

18.1.12.8.13.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "[Max140Text](#)" on page 979

18.1.12.9 AlgorithmIdentification30

Definition: Identification of a cryptographic algorithm and parameters for digital signatures.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		886
	Parameter <Param>	[0..1]			887
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		888
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			889
	Algorithm <Algo>	[1..1]	CodeSet		889
	Parameter <Param>	[0..1]			889
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		889
	SaltLength <SaltLngth>	[0..1]	Quantity		890
	TrailerField <TrlrFld>	[0..1]	Quantity		890
	OIDCurveName <OIDCrvNm>	[0..1]	Text		890

18.1.12.9.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm25Code" on page 918

CodeName	Name	Definition
ERS2	SHA256WithRSA	Signature algorithms with RSA, using SHA-256 digest algorithm - (ASN.1 Object Identifier: sha256WithRSAEncryption).
ERS1	SHA1WithRSA	The DEPRECATED Signature algorithms with RSA (PKCS #1 version 2.1), using SHA-1 digest algorithm - (ASN.1 Object Identifier: sha1WithRSAEncryption).
RPSS	RSASSA-PSS	Signature algorithm with Appendix, Probabilistic Signature Scheme (PKCS #1 version 2.1), - (ASN.1 Object Identifier: id-RSASSA-PSS).
ERS3	SHA3-256WithRSA	Signature algorithms with RSA, using SHA3-256 digest algorithm. (ASN.1 Object Identifier: id-rsassa-pkcs1-v1-5-with-sha3-256).
ED32	EcdsaSha3-256	Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ED33	EcdsaSha3-384	Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.

CodeName	Name	Definition
ED35	EcdsaSha3-512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ED23	EcdsaSha384	Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ED25	EcdsaSha512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES22	EcdsaSha256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
ES32	EcdsaSha3-256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ES33	EcdsaSha3-384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
ES35	EcdsaSha3-512	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES23	EcdsaSha384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ES25	EcdsaSha512	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ED22	EcdsaSha256	Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.

18.1.12.9.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters of the RSASSA-PSS digital signature algorithm (RSA signature algorithm with appendix: Probabilistic Signature Scheme).

Parameter <Param> contains the following **Parameter15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		888
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			889
	Algorithm <Algo>	[1..1]	CodeSet		889
	Parameter <Param>	[0..1]			889
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		889
	SaltLength <SaltLngth>	[0..1]	Quantity		890
	TrailerField <TrlrFld>	[0..1]	Quantity		890
	OIDCurveName <OIDCrvNm>	[0..1]	Text		890

18.1.12.9.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 913

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).

CodeName	Name	Definition
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

18.1.12.9.2.2 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following **AlgorithmIdentification12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		889
	Parameter <Param>	[0..1]			889
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		889

18.1.12.9.2.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 919

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).

18.1.12.9.2.2.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm.

Parameter <Param> contains the following **Parameter5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		889

18.1.12.9.2.2.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm11Code" on page 912

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).

18.1.12.9.2.3 SaltLength <SaltLngth>

Presence: [0..1]

Definition: Length of the salt to include in the signature.

Datatype: "Number" on page 977

18.1.12.9.2.4 TrailerField <TrlrFld>

Presence: [0..1]

Definition: Trailer field number.

Datatype: "Number" on page 977

18.1.12.9.2.5 OIDCurveName <OIDCrvNm>

Presence: [0..1]

Definition: Name of the Elliptic Curve according to the OID notation.

Datatype: "Max140Text" on page 979

18.1.12.10 AlgorithmIdentification29

Definition: Cryptographic algorithm and parameters for the protection of the transported key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		890
	Parameter <Param>	[0..1]			892
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		893
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		893
	BytePadding <BPddg>	[0..1]	CodeSet		893

18.1.12.10.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm24Code" on page 916

CodeName	Name	Definition
EA2C	AES128CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DC	DES112CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A.
UKPT	UKPT	UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap).
UKA2	UKPTwithAES192	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
DA12	AESDUKPT128ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits.
DA19	AESDUKPT192ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits.
DA25	AESDUKPT256ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits.
N108	Nist800-108KeyDerivation	Key Derivation according to the Special Publication from the NIST entitled 800-108.

CodeName	Name	Definition
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a.
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS PUB 81 - (ASN.1 Object Identifier: des-cbc).
UKA1	UKPTwithAES128	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
UKA3	UKPTwithAES256	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

18.1.12.10.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the encryption algorithm.

Parameter <Param> contains the following **Parameter12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		893
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		893
	BytePadding <BPddg>	[0..1]	CodeSet		893

18.1.12.10.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 936

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.

18.1.12.10.2.2 InitialisationVector <InitlstrVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 910

18.1.12.10.2.3 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: "BytePadding1Code" on page 925

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.

18.1.12.11 AlgorithmIdentification22

Definition: Identification of a cryptographic algorithm and parameters for the MAC computation.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		894
	Parameter <Param>	[0..1]			896
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		896
	BytePadding <BPddg>	[0..1]	CodeSet		896

18.1.12.11.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the MAC algorithm.

Datatype: "Algorithm17Code" on page 914

CodeName	Name	Definition
MACC	RetailCBCMAC	Retail CBC (Chaining Block Cypher) MAC (Message Authentication Code) (cf. ISO 9807, ANSI X9.19) - (ASN.1 Object Identifier: id-retail-cbc-mac).
MCCS	RetailSHA256MAC	Retail-CBC-MAC with SHA-256 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-256).
CMA1	SHA256CMACwithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
MCC1	RetailSHA1MAC	The DEPRECATED Retail-CBC-MAC with SHA-1 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-1).
CMA9	SHA384CMACwithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message.
CMA5	SHA512CMACwithAES256	CMAC (Cipher based Message Authentication Code) defined by the

CodeName	Name	Definition
		National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message.
CMA2	SHA256CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
CM31	SHA3-256CMACWithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-256 digest of the message.
CM32	SHA3-384CMACWithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-384 digest of the message.
CM33	SHA3-512CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-512 digest of the message.

CodeName	Name	Definition
MCS3	SHA3-256-3DESMAC	3DES CBC-MAC with SHA3-256 (SecureHash standard) and ISO/IEC9797-1 method 2 padding.
CCA1	CMACAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
CCA2	CMACAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
CCA3	CMACAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

18.1.12.11.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the MAC algorithm.

Parameter <Param> contains the following **Parameter7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InitialisationVector <InitIstnVctr>	[0..1]	Binary		896
	BytePadding <BPddg>	[0..1]	CodeSet		896

18.1.12.11.2.1 InitialisationVector <InitIstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 910

18.1.12.11.2.2 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: "BytePadding1Code" on page 925

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.

18.1.12.12 AlgorithmIdentification21

Definition: Cryptographic algorithm and parameters of digests.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		897

18.1.12.12.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 913

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).

Parameter <Param> contains the following **Parameter10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		899
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		899
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		900

18.1.12.13.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 936

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.

18.1.12.13.2.2 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 913

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).

CodeName	Name	Definition
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

18.1.12.13.2.3 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following elements (see "AlgorithmIdentification18" on page 900 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		900
	Parameter <Param>	[0..1]			901
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		901

18.1.12.14 AlgorithmIdentification18

Definition: Mask generator function cryptographic algorithm and parameters.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		900
	Parameter <Param>	[0..1]			901
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		901

18.1.12.14.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 919

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).

18.1.12.14.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm.

Parameter <Param> contains the following **Parameter9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		901

18.1.12.14.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm16Code" on page 913

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).

18.1.13 Structured Postal Address

18.1.13.1 PostalAddress2

Definition: Address of a party expressed in a formal structure, usually according to the country's postal services specifications.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		902
	PostCodeIdentification <PstCld>	[1..1]	Text		902
	TownName <TwnNm>	[1..1]	Text		902
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		902
	Country <Ctry>	[1..1]	CodeSet	C3	902

18.1.13.1.1 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 982

18.1.13.1.2 PostCodeIdentification <PstCld>

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 979

18.1.13.1.3 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 981

18.1.13.1.4 CountrySubDivision <CtrySubDvsn>

Presence: [0..1]

Definition: Identifies a subdivision of a country for example, state, region, county.

Datatype: "Max35Text" on page 981

18.1.13.1.5 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 932

Constraints

- **Country**

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

18.1.14 Token

18.1.14.1 Token1

Definition: Unencrypted sensitive data of a token.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		903
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		903
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		903
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		903
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		904
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		904

18.1.14.1.1 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "Max19NumericText" on page 979

18.1.14.1.2 TokenExpiryDate <TknXpryDt>

Presence: [0..1]

Definition: Expiry date of the payment token.

ISO 8583 bit 14.

Datatype: "Exact4NumericText" on page 978

18.1.14.1.3 TokenRequestorIdentification <TknRqstrld>

Presence: [0..1]

Definition: Identification of a party requesting a token.

Datatype: "Max11NumericText" on page 979

18.1.14.1.4 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Supporting information for the Token Assurance Method.

Datatype: "Max140Text" on page 979

18.1.14.1.5 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 980

18.1.14.1.6 TokenInitiatedIndicator <TknInittldInd>

Presence: [0..1]

Definition: Original transaction was initiated by Token.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.1.14.2 MerchantToken2

Definition: Merchant token information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		904
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		904
	TokenCharacteristic <TknChrtc>	[0..*]	Text		905
	TokenRequestor <TknRqstr>	[0..1]			905
	ProviderIdentification <PrvdrId>	[1..1]	Text		905
	RequestorIdentification <RqstrId>	[1..1]	Text		905
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		905
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		905
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		905
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		906

18.1.14.2.1 Token <Tkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "Max35Text" on page 981

18.1.14.2.2 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 978

18.1.14.2.3 TokenCharacteristic <TknChrtc>

Presence: [0..*]

Definition: Additional payment token information.

Datatype: "Max35Text" on page 981

18.1.14.2.4 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		905
	RequestorIdentification <RqstrId>	[1..1]	Text		905

18.1.14.2.4.1 ProviderIdentification <PrvdrId>

Presence: [1..1]

Definition: Identifier of the token provider.

Datatype: "Max35Text" on page 981

18.1.14.2.4.2 RequestorIdentification <RqstrId>

Presence: [1..1]

Definition: Identifier of the token requestor.

Datatype: "Max35Text" on page 981

18.1.14.2.5 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 977

18.1.14.2.6 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Information about the identification and verification of the cardholder.

Datatype: "Max500Binary" on page 910

18.1.14.2.7 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 980

18.1.14.2.8 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 976):

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

18.1.14.3 CardPaymentToken5

Definition: Payment token information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Token <Tkn>	[0..1]	Text		906
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		906
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		906
	TokenCharacteristic <TknChrtc>	[0..*]	Text		907
	TokenRequestor <TknRqstr>	[0..1]			907
	ProviderIdentification <PrvdrlId>	[1..1]	Text		907
	RequestorIdentification <RqstrId>	[1..1]	Text		907
	TokenAssuranceLevel <TknAssrncLvl>	[0..1]	Quantity		907
	TokenAssuranceData <TknAssrncData>	[0..1]	Binary		907
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		907
	TokenInitiatedIndicator <TknInittndInd>	[0..1]	Indicator		908

18.1.14.3.1 Token <Tkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "Min8Max28NumericText" on page 984

18.1.14.3.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 983

18.1.14.3.3 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 978

18.1.14.3.4 TokenCharacteristic <TknChrtc>

Presence: [0..*]

Definition: Additional payment token information.

Datatype: "Max35Text" on page 981

18.1.14.3.5 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		907
	RequestorIdentification <RqstrId>	[1..1]	Text		907

18.1.14.3.5.1 ProviderIdentification <PrvdrId>

Presence: [1..1]

Definition: Identifier of the token provider.

Datatype: "Max35Text" on page 981

18.1.14.3.5.2 RequestorIdentification <RqstrId>

Presence: [1..1]

Definition: Identifier of the token requestor.

Datatype: "Max35Text" on page 981

18.1.14.3.6 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 977

18.1.14.3.7 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Information about the identification and verification of the cardholder.

Datatype: "Max500Binary" on page 910

18.1.14.3.8 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 980

18.1.14.3.9 TokenInitiatedIndicator <TknInittInd>

Presence: [0..1]

Definition: Original transaction was initiated by Token.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 976):

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

18.2 Message Datatypes

18.2.1 Amount

18.2.1.1 CurrencyAndAmount

Definition: Number of monetary units specified in a currency, where the unit of currency is explicit and compliant with ISO 4217. The decimal separator is a dot.

Note: A zero amount is considered a positive amount.

Type: Amount

This data type contains the following XML attribute:

Name	Attribute XML Name	Datatype
Currency	Ccy	"CurrencyCode" on page 933

Format

minInclusive	0
totalDigits	18
fractionDigits	5

Constraints

- **ValidationByTable**

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

18.2.1.2 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

18.2.2 Binary

18.2.2.1 Max10000Binary

Definition: Specifies a binary string with a maximum length of 10000 binary bytes.

Type: Binary

Format

minLength	1
maxLength	10000

18.2.2.2 Max100KBinary

Definition: Binary data of 100K maximum.

Type: Binary

Format

minLength	1
maxLength	102400

18.2.2.3 Max10KBinary

Definition: Binary data of 10K maximum.

Type: Binary

Format

minLength	1
maxLength	10240

18.2.2.4 Max140Binary

Definition: Specifies a binary string with a maximum length of 140 binary bytes.

Type: Binary

Format

minLength	1
maxLength	140

18.2.2.5 Max2KBinary

Definition: Binary data of 2K maximum.

Type: Binary

Format

minLength	1
maxLength	2048

18.2.2.6 Max2MBBinary

Definition: Binary data of 2MB maximum.

Type: Binary

Format

minLength	1
maxLength	2097152

18.2.2.7 Max3000Binary

Definition: Specifies a binary string with a maximum length of 3000 binary bytes.

Type: Binary

Format

minLength	1
maxLength	3000

18.2.2.8 Max35Binary

Definition: Specifies a binary string with a maximum length of 35 binary bytes.

Type: Binary

Format

minLength	1
maxLength	35

18.2.2.9 Max5000Binary

Definition: Specifies a binary string with a maximum length of 5000 binary bytes.

Type: Binary

Format

minLength	1
maxLength	5000

18.2.2.10 Max500Binary

Definition: Specifies a binary string with a maximum length of 500 binary bytes.

Type: Binary

Format

minLength	1
maxLength	500

18.2.2.11 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

18.2.3 CodeSet

18.2.3.1 ActionType12Code

Definition: Type of action to be performed by the point of interaction (POI).

Type: CodeSet

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

CodeName	Name	Definition
CDCV	ConsumerDeviceCardholderVerificationMethod	Request Cardholder Authentication according to the ConsumerDeviceCardholderVerification Method.
CHDA	CardholderAuthentication	Additional authentication of cardholder required.
STAR	StopAllRecurring	Recurring transactions is no more allowed for this card and for all merchants.
STOR	StopOneRecurring	Cardholder has revoked this recurring transaction for this merchant.

18.2.3.2 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.

18.2.3.3 AddressType2Code

Definition: Specifies the type of address.

Type: CodeSet

CodeName	Name	Definition
ADDR	Postal	Address is the complete postal address.
PBOX	POBox	Address is a postal office (PO) box.
HOME	Residential	Address is the home address.
BIZZ	Business	Address is the business address.
MLTO	MailTo	Address is the address to which mail is sent.
DLVY	DeliveryTo	Address is the address to which delivery is to take place.

18.2.3.4 Algorithm11Code

Definition: Identification of a digest algorithm.

Type: CodeSet

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).

18.2.3.5 Algorithm16Code

Definition: Identification of a digest algorithm.

Type: CodeSet

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).

CodeName	Name	Definition
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

18.2.3.6 Algorithm17Code

Definition: Cryptographic algorithms for the MAC (Message Authentication Code).

Type: CodeSet

CodeName	Name	Definition
MACC	RetailCBCMAC	Retail CBC (Chaining Block Cypher) MAC (Message Authentication Code) (cf. ISO 9807, ANSI X9.19) - (ASN.1 Object Identifier: id-retail-cbc-mac).
MCCS	RetailSHA256MAC	Retail-CBC-MAC with SHA-256 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-256).
CMA1	SHA256CMACwithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
MCC1	RetailSHA1MAC	The DEPRECATED Retail-CBC-MAC with SHA-1 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-1).
CMA9	SHA384CMACwithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message.
CMA5	SHA512CMACwithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message.

CodeName	Name	Definition
CMA2	SHA256CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
CM31	SHA3-256CMACWithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-256 digest of the message.
CM32	SHA3-384CMACWithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-384 digest of the message.
CM33	SHA3-512CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-512 digest of the message.
MCS3	SHA3-256-3DESMAC	3DES CBC-MAC with SHA3-256 (SecureHash standard) and ISO/IEC9797-1 method 2 padding.
CCA1	CMACAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing

CodeName	Name	Definition
		Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
CCA2	CMACAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
CCA3	CMACAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

18.2.3.7 Algorithm24Code

Definition: Cryptographic algorithms for the protection of transported keys.

Type: CodeSet

CodeName	Name	Definition
EA2C	AES128CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DC	DES112CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A.
UKPT	UKPT	UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap).
UKA2	UKPTwithAES192	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption

CodeName	Name	Definition
		with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
DA12	AESDUKPT128ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits.
DA19	AESDUKPT192ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits.
DA25	AESDUKPT256ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits.
N108	Nist800-108KeyDerivation	Key Derivation according to the Special Publication from the NIST entitled 800-108.
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple

CodeName	Name	Definition
		length key (168 Bit) as defined in FIPS SP 800-38a.
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS PUB 81 - (ASN.1 Object Identifier: des-cbc).
UKA1	UKPTwithAES128	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
UKA3	UKPTwithAES256	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

18.2.3.8 Algorithm25Code

Definition: Cryptographic algorithms for digital signatures.

Type: CodeSet

CodeName	Name	Definition
ERS2	SHA256WithRSA	Signature algorithms with RSA, using SHA-256 digest algorithm - (ASN.1 Object Identifier: sha256WithRSAEncryption).
ERS1	SHA1WithRSA	The DEPRECATED Signature algorithms with RSA (PKCS #1 version 2.1), using SHA-1 digest algorithm - (ASN.1 Object Identifier: sha1WithRSAEncryption).
RPSS	RSASSA-PSS	Signature algorithm with Appendix, Probabilistic Signature Scheme (PKCS #1 version 2.1), - (ASN.1 Object Identifier: id-RSASSA-PSS).
ERS3	SHA3-256WithRSA	Signature algorithms with RSA, using SHA3-256 digest algorithm. (ASN.1 Object Identifier: id-rsassa-pkcs1-v1-5-with-sha3-256).
ED32	EcdsaSha3-256	Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ED33	EcdsaSha3-384	Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.

CodeName	Name	Definition
ED35	EcdsaSha3-512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ED23	EcdsaSha384	Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ED25	EcdsaSha512	Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES22	EcdsaSha256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.
ES32	EcdsaSha3-256	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm.
ES33	EcdsaSha3-384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm.
ES35	EcdsaSha3-512	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ES23	EcdsaSha384	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm.
ES25	EcdsaSha512	Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm.
ED22	EcdsaSha256	Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm.

18.2.3.9 Algorithm7Code

Definition: Asymmetric encryption algorithm of a transport key.

Type: CodeSet

CodeName	Name	Definition
ERSA	RSASignature	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSOA	RSASignature	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSASignature).

18.2.3.10 Algorithm8Code

Definition: Mask generator functions of the RSAES-OAEP encryption algorithm (RSA Encryption Scheme: Optimal Asymmetric Encryption Padding).

Type: CodeSet

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA digital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1).

18.2.3.11 AmountUnit1Code

Definition: Unit of a amount (for loyalty or account).

Type: CodeSet

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

18.2.3.12 AttendanceContext1Code

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

Type: CodeSet

CodeName	Name	Definition
ATTD	Attended	Attended payment, with an attendant.
SATT	SemiAttended	Semi-attended, including self checkout. An attendant supervises several payment, and could be called to help the cardholder.
UATT	Unattended	Unattended payment, no attendant present.

18.2.3.13 AttendanceContext2Code

Definition: Identify the method of delivery or distribution.

Type: CodeSet

CodeName	Name	Definition
ATTL	AttendantDelivery	Delivery by an attendant.
CARR	CarrierDelivery	Delivery by a carrier.
CUST	CustomerDelivery	Delivery by the customer.
FULL	FullServe	Full service for fuel distribution.
SELF	SelfServe	Self service for fuel distribution.

18.2.3.14 AttributeType1Code

Definition: Type of attribute of a distinguished name (DN).

Type: CodeSet

CodeName	Name	Definition
CNAT	CommonName	Common name of the attribute (ASN.1 Object Identifier: id-at-commonName).
LATT	Locality	Locality of the attribute (ASN.1 Object Identifier: id-at-localityName).
OATT	OrganisationName	Organization name of the attribute (ASN.1 Object Identifier: id-at-organizationName).
OUAT	OrganisationUnitName	Organization unit name of the attribute (ASN.1 Object Identifier: id-at-organizationalUnitName).
CATT	CountryName	Country name of the attribute (ASN.1 Object Identifier: id-at-countryName).

18.2.3.15 AuthenticationEntity2Code

Definition: Entity or device that has performed the verification.

Type: CodeSet

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

18.2.3.16 AuthenticationMethod6Code

Definition: Methods used to authenticate a person or a card.

Type: CodeSet

CodeName	Name	Definition
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
PPSG	PaperSignature	Handwritten paper signature.
PSWD	Password	Authentication by a password.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.

CodeName	Name	Definition
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
ADDB	BillingAddressVerification	Cardholder billing address verification.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
MANU	ManualVerification	Manual verification, for example passport or drivers license.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.

18.2.3.17 AuthenticationMethod8Code

Definition: Method to authenticate the customer or its card.

Type: CodeSet

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
ADDB	BillingAddressVerification	Cardholder billing address verification.
BYPS	Bypass	Authentication bypassed by the merchant.
BIOM	Biometry	Biometric authentication of the cardholder.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
CSCV	CSCVerification	Verification of Card Security Code.

CodeName	Name	Definition
MANU	ManualVerification	Manual verification, for example passport or drivers license.
MERC	MerchantAuthentication	Merchant-related authentication.
MOBL	Mobile	Customer mobile device.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
OTHR	Other	Other customer authentication.
PPSG	PaperSignature	Handwritten paper signature.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
PSWD	Password	Authentication by a password.
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
SNCT	SecureNoCertificate	Secure electronic transaction without cardholder certificate.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
TOKN	TokenAuthentication	Cryptogram generated by the token requestor or a customer device to validate the authorised use of a token.
UKNW	UnknownMethod	Authentication method is performed unknown.

18.2.3.18 AuthenticationResult1Code

Definition: Specifies the result of authentication done.

Type: CodeSet

CodeName	Name	Definition
DENY	Denial	The authentication didn't succeed.
MRCH	MerchantNotEnroled	Merchant not enrolled in the authentication programme.
CARD	NonParticipation	The card does not participate in the authentication programme.

CodeName	Name	Definition
AUTH	UnableToAuthenticate	The authentication couldn't be carried out.
CRPT	WithCryptogram	Authentication succeeded with a cryptogram.
UCRP	WithoutCryptogram	Authentication succeeded without a cryptogram.

18.2.3.19 BarcodeType1Code

Definition: Type of BarCode coding.

Type: CodeSet

CodeName	Name	Definition
COQR	BarcodeEncodedAs2DQRCode	Barcode encoded according to the 2Dimensions Quick Response Code Standard.
C128	BarcodeEncodedAsCode128	Barcode encoded according to the Code 128 standard.
C025	BarcodeEncodedAsCode25	Barcode encoded according to the Code 25 standard.
C039	BarcodeEncodedAsCode39	Barcode encoded according to the Code 39 standard.
EA13	BarcodeEncodedAsEA13	Barcode encoded according to the EAN13 standard.
EAN8	BarcodeEncodedAsEAN8	Barcode encoded according to the EAN8 standard.
P417	BarcodeEncodedAsPDF417	Barcode encoded according to the PDF417 standard.
UPCA	BarcodeEncodedAsUPCA	Barcode encoded according to the UPCA standard.

18.2.3.20 BusinessArea1Code

Definition: Specifies the business context of the transaction

Type: CodeSet

CodeName	Name	Definition
AIBD	ArtificialIntelligenceBasedDecision	The payment is initiated by an artificial intelligence based decision.
OPMT	Openpayment	The card is used in a Transit business case where the fare amount is not known when the transaction is initiated.
PPAY	PlainPayment	The card is used to perform a plain payment.
TKNF	TransitKnownFare	The card is used in a Transit business case where the fare amount is known when the transaction is initiated.

18.2.3.21 BytePadding1Code

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Type: CodeSet

CodeName	Name	Definition
LNGT	LengthPadding	Message to encrypt is completed by a byte value containing the total number of added bytes.
NUL8	Null80Padding	Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached.
NULG	NullLengthPadding	Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes.
NULL	NullPadding	Message to encrypt is completed by null bytes.
RAND	RandomPadding	Message to encrypt is completed by random value, the last byte containing the total number of added bytes.

18.2.3.22 CardAccountType3Code

Definition: Type of cardholder account used for the transaction.

Type: CodeSet

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

CodeName	Name	Definition
SVNG	Savings	Savings account.
STBD	StockOrBond	Stock or bond investment account.
UURL	Universal	Universal account.
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

18.2.3.23 CardDataReading5Code

Definition: Type of reading of the card data.

Type: CodeSet

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.

18.2.3.24 CardDataReading8Code

Definition: Type of reading of the card data.

Type: CodeSet

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.

CodeName	Name	Definition
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.
SICC	SynchronousIntegratedCircuitCard	Synchronous ICC - (Integrated Circuit Card) with contact.
UNKW	Unknown	Unknown card reading capability.
QRCD	QRCode	Quick response code.
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

18.2.3.25 CardFallback1Code

Definition: Information about card entry mode fallback.

Type: CodeSet

CodeName	Name	Definition
FFLB	FallbackAfterFailure	Card fall-back occurred during the transaction in progress. The previous transaction on the terminal failed.
SFLB	FallbackAfterSuccess	Card fall-back occurred during the transaction in progress. The previous transaction on the terminal was successful.
NFLB	NoFallback	No card fall-back during the transaction in progress.

18.2.3.26 CardholderVerificationCapability4Code

Definition: Cardholder verification capabilities by the terminal.

Type: CodeSet

CodeName	Name	Definition
APKI	AccountDigitalSignature	Account based digital signature.
CHDT	CardholderData	Cardholder authentication data.
MNSG	ManualSignature	Manual signature verification.
MNVR	ManualVerification	Other manual verification, for example passport or drivers license.
FBIG	OfflineBiographics	Offline biographics.
FBIO	OfflineBiometrics	Offline biometrics.
FDSG	OfflineDigitalSignature	Offline digital signature analysis.
FCPN	OfflinePINClear	Offline PIN in clear (Personal Identification Number).

CodeName	Name	Definition
FEPN	OfflinePINEncrypted	Offline PIN encrypted (Personal Identification Number).
NPIN	OnLinePIN	Online PIN (Personal Identification Number).
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature.
SCEC	SecureElectronicCommerce	Three domain secure (three domain secure authentication of the cardholder).
NBIO	OnLineBiometrics	Online biometrics.
NOVF	NoCapabilities	No cardholder verification capability.
OTHR	Other	Other cardholder verification capabilities.

18.2.3.27 CardIdentificationType1Code

Definition: Type of account identification.

Type: CodeSet

CodeName	Name	Definition
ACCT	AccountNumber	Account identification.
BARC	BarCode	Bar-code with a specific form of identification.
ISO2	ISOTrack2	ISO Track 2 including identification.
PHON	PhoneNumber	A phone number identifies the account on which the phone card is assigned.
CPAN	PrimaryAccountNumber	Standard card identification (card number).
PRIV	PrivativeNumbering	An identification set by a privative application.
UUID	UniversalUniqueIdentification	A Universal Unique Identification code is set for identification.

18.2.3.28 CardPaymentServiceType12Code

Definition: Main service provided during the card payment transaction.

Type: CodeSet

CodeName	Name	Definition
BALC	Balance	Balance enquiry.
CACT	CardActivation	Card activation.
CRDP	CardPayment	Card payment.
CAFH	CardsFundTransferPush	Transfer of funds to a card or an account.
CAVR	CardVerification	Card verification.

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

18.2.3.29 CardPaymentServiceType13Code

Definition: Additional attribute of the service type.

Type: CodeSet

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

18.2.3.30 CardPaymentServiceType14Code

Definition: Additional attributes of the service provided by the card payment transaction.

Type: CodeSet

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

18.2.3.31 CardPaymentServiceType5Code

Definition: Main service provided during the card payment transaction.

Type: CodeSet

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

CodeName	Name	Definition
CAFL	CardsFundTransferPull	Transfer of funds from a card or an account.

18.2.3.32 CardPaymentServiceType9Code

Definition: Service provided by the card payment transaction, in addition to the main service.

Type: CodeSet

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

18.2.3.33 CardProductType1Code

Definition: Type of card product.

Type: CodeSet

CodeName	Name	Definition
COMM	CommercialCard	Cards issued as a means of business expenditure, for instance business card or corporate card. The user could be a company, an individual for business expenses or a self employed for business purposes.
CONS	ConsumerCard	Cards issued as a means of personal expenditure. The user is always an individual.

18.2.3.34 CheckType1Code

Definition: Type of bank check.

Type: CodeSet

CodeName	Name	Definition
BANK	BankCheck	The check is guaranteed by a bank.
BUSI	BusinessCheck	The check belongs to a Company or a professional entity.
GOVC	GovernmentCheck	Check issued by Government.
PAYR	PayrollCheck	Check issued by a company for the employees.
PERS	PersonalCheck	The check belongs to an individual.

18.2.3.35 ContentType2Code

Definition: Identification of the type of a Cryptographic Message Syntax (CMS) data structure.

Type: CodeSet

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

18.2.3.36 CountryCode

Definition: Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

Type: CodeSet

Format

pattern [A-Z]{2,2}

Constraints

- **Country**

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

18.2.3.37 CryptographicKeyType3Code

Definition: Codes for qualifying the type of cryptographic keys.

Type: CodeSet

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE3	DES112	Data encryption standard key of 112 bits (without the parity bits).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A.
AES9	AES192	AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
AES5	AES256	AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).

18.2.3.38 CurrencyCode

Definition: Code allocated to a currency, by a maintenance agency, under an international identification scheme as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds". Valid currency codes are registered with the ISO 4217 Maintenance Agency, and consist of three contiguous letters.

Type: CodeSet

Format

pattern [A-Z]{3,3}

Constraints

- **ValidationByTable**

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

18.2.3.39 CurrencyConversionResponse3Code

Definition: Result of a requested currency conversion.

Type: CodeSet

CodeName	Name	Definition
ODCC	Allowed	Dynamic currency conversion may be offered to the cardholder.
DCCA	Assumed	Transaction authorised with dynamic currency conversion.
ICRD	InvalidCard	The card is not valid for dynamic currency conversion.
IMER	InvalidMerchant	The card acceptor has not been recognised.
IPRD	InvalidProduct	Dynamic currency conversion service cannot be offered for this card product.
IRAT	NoRate	Exchange rates are not available.
NDCC	NotAvailable	Dynamic currency conversion is not available for other reason.
REST	Restriction	Conversion accepted for the requested amount exclusively.
CATG	Catalogue	Conversion accepted for a range of amounts.

18.2.3.40 CustomerOrderRequest1Code

Definition: Type of customer orders that must be sent in response message.

Type: CodeSet

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

18.2.3.41 DataSetCategory17Code

Definition: Category of data set.

Type: CodeSet

CodeName	Name	Definition
AQPR	AcquirerParameters	Acquirer specific configuration parameters for the point of interaction (POI) system.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
TXCP	BatchCapture	Batch upload of transaction data (data capture of a group of transactions).
AKCP	CaptureResponse	Batch download response for the batch capture of transactions.
DLGT	DelegationData	Data needed to create a terminal management sub-domain.
MGTP	ManagementPlan	Configuration of management plan in the point of interaction.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).
SCPR	SecurityParameters	Point of interaction parameters related to the security of software application and application protocol.
SWPK	SoftwareModule	Software module.
STRP	StatusReport	Report of software configuration and parameter status.
TRPR	TerminalParameters	Point of interaction parameters attached to the terminal as serial number or physical capabilities.
VDPR	VendorParameters	Point of interaction parameters defined by the manufacturer for instance the PIN verification capabilities.
PARA	Parameters	Any combination of configuration parameters for the point of interaction (POI).
TMSP	TMSProtocolParameters	Configuration parameters for the TMS protocol.
CRTF	CertificateParameters	Certificate provided by a terminal manager.
LOGF	LogFile	Any repository used for recording log traces.
CMRQ	CertificateManagementRequest	Trigger for CertificateManagementRequest.
MDFL	MediaFile	Media file managed by an application of the POI.
CONF	ConfigurationFile	Configuration file relevant for the POI.
RPFL	ReportFile	Report file generated by the POI.

18.2.3.42 DocumentType7Code

Definition: Specifies a type of financial or commercial document.

Type: CodeSet

CodeName	Name	Definition
JNRL	Journal	When the POI or the Sale System wants to store a message on the journal printer or electronic journal of the Sale Terminal (it is sometimes a Sale Logging/Journal Printer).
CRCP	CustomerReceipt	When the Sale System requires the POI system to print the Customer receipt.
HRCP	CashierReceipt	When the Sale system print the Cashier copy of the Payment receipt.
SRCP	SaleReceipt	When the Sale System requires the POI system to print the Sale receipt.
RPIN	RelatedPaymentInstruction	Document is a linked payment instruction to which the current payment instruction is related, for example, in a cover scenario.
VCHR	Voucher	Document is an electronic payment document.

18.2.3.43 EncryptionFormat2Code

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Type: CodeSet

CodeName	Name	Definition
TR31	TR31	Format of a cryptographic key specified by the ANSI X9 TR-31 standard.
TR34	TR34	Format of a cryptographic key specified by the ANSI X9 TR-34 standard.
I238	ISO20038KeyWrap	Format of a cryptographic key specified by the ISO20038 standard.

18.2.3.44 EventToNotify2Code

Definition: Event the POI notifies to the Sale System.

Type: CodeSet

CodeName	Name	Definition
ABRT	Abort	One or several device request has been sent by the POI during the processing of a service requested by the Sale System. The processing is cancelled by the Customer or stopped by the POI. If the device response is not received by the POI, an event is sent to inform the Sale to abort internally these device requests.
MAIB	BeginMaintenance	Begin of POI Maintenance.
CRDI	CardInserted	A card is inserted in the card reader (see Input request and NotifyCardInputFlag).

CodeName	Name	Definition
COMP	Completed	An Abort request has been sent to abort a message which is already completed.
CRDR	CardRemoved	A card is removed from the card reader.
CUSL	CustomerLanguage	The customer has selected a different language on the POI.
MAIE	EndMaintenance	End of POI Maintenance.
INIT	Initialised	The POI Terminal or the POI System is now ready to work.
KEYP	KeyPressed	The customer has pressed a specific key on the POI.
MAIR	MaintenanceRequired	Maintenance required by the POI.
OODR	OutOfOrder	The POI Terminal or the POI System cannot work.
SADM	SaleAdmin	The POI has performed, or want to perform an automatic administrative process, e.g. the reports at the end of day.
SWUP	SaleWakeUp	A POI terminal requests the payment of the transaction identified by the content of EventDetails in the Event notification.
SECA	SecurityAlarm	Problem of security.
SHUT	Shutdown	The POI Terminal or the POI System is shutting down.
SASS	StopAssistance	When the Customer assistance is stopped, because the Customer has completed its input.
DISC	Disconnected	A disconnection occurred.
CNTN	Connected	Connection has been set up.
TNOK	TransactionApproved	Transaction has been processed and approved by the POI.
TNKO	TransactionDeclined	Transaction has been processed but has been declined.

18.2.3.45 Exemption1Code

Definition: Strong customer authentication exemption.

Type: CodeSet

CodeName	Name	Definition
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
MINT	MerchantInitiatedTransaction	Transaction is initiated by the Card Acceptor.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.

CodeName	Name	Definition
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
SCAD	StrongCustomerAuthenticationDelegation	Card Acceptor is a strong customer authentication delegate.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.

18.2.3.46 Frequency3Code

Definition: Specifies the regularity of an event.

Type: CodeSet

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.
MNTH	Monthly	Event takes place every month or once a month.
QURT	Quarterly	Event takes place every three months or four times a year.
MIAN	SemiAnnual	Event takes place every six months or two times a year.
WEEK	Weekly	Event takes place once a week.
DAIL	Daily	Event takes place every day.
TEND	TenDays	Event takes place every ten business days.

18.2.3.47 GracePeriodUnitType1Code

Definition: Contains the details of the grace period applicable to the instalment.

Type: CodeSet

CodeName	Name	Definition
WEKS	Weeks	Grace period weeks.
PMTS	Payments	Grace period payments.
OTHP	OtherPrivate	Other Private Grace period.
OTHN	OtherNational	Other National Grace period.
MNTH	Months	Grace period months.
DAYS	Days	Grace period days.

18.2.3.48 InformationQualify1Code

Definition: Qualification of the information to sent to an output logical device, to display or print to the Cashier or the Customer.

Type: CodeSet

CodeName	Name	Definition
CUSA	CustomerAssistance	Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer.
DISP	Display	Standard display interface.
DOCT	Document	When the POI System wants to print specific document (check, dynamic currency conversion ...). Used by the Sale System when the printer is not located on the Sale System.
ERRO	Error	The information is related to an error situation occurring on the message sender.
INPT	Input	Answer to a question or information to be entered by the Cashier or the Customer, at the request of the POI Terminal or the Sale Terminal.
POIR	POIReplication	Information displayed on the Cardholder POI interface, replicated on the Cashier interface.
RCPT	Receipt	Where you print the Payment receipt that could be located on the Sale System or in some cases a restricted Sale ticket on the POI Terminal.
SOND	Sound	Standard sound interface.
STAT	Status	The information is a new state on which the message sender is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer.
VCHR	Voucher	Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed.

18.2.3.49 InputCommand1Code

Definition: Type of requested input

Type: CodeSet

CodeName	Name	Definition
DCSG	DecimalString	Wait for a string of digit characters with a decimal point, the length range could be specified.
DGSG	DigitString	Wait for a string of digit characters.

CodeName	Name	Definition
GAKY	GetAnyKey	Wait for a key pressed on the Terminal, to be able to read the message displayed on the Terminal.
GCNF	GetConfirmation	Wait for a confirmation Yes (Y) or No (N) on the Sale System. Wait for a confirmation (Valid or Cancel button) on the POI Terminal. The result of the command is a Boolean: True or False.
GFKY	GetFunctionKey	Wait for a function key pressed on the Terminal: From POI, Valid, Clear, Correct, Generic Function key number. From Sale, Generic Function key.
GMNE	GetMenuEntry	To choose an entry among a list of entries (all of them are not necessary selectable). The OutputFormat has to be MenuEntry.
PSWD	Password	Request to enter a password with masked characters while typing the password.
SITE	SiteManager	Wait for a confirmation Yes (Y) or No (N) of the Site Manager on the Sale System.
TXSG	TextString	Wait for a string of alphanumeric characters.
HTML	XHTMLText	Wait for a XHTML data.
SIGN	Signature	Request to wait for signature.

18.2.3.50 InstalmentAmountDetailsType1Code

Definition: Contains the details of the grace period applicable to the instalment.

Type: CodeSet

CodeName	Name	Definition
TAXX	Tax	Instalment amount tax
RQST	Requested	Requested amount
OTHP	OtherPrivate	Grace period unit type
OTHN	OtherNational	Grace period unit type
OTHC	OtherCharges	Other amounts
INSU	Insurance	Insurance amount
FUNA	Funded	Funded amount
FEES	Fees	Fees amount
EXPN	Expense	Expense Amount
AFCO	AnnualFinancingCost	Total financing cost per annum.

18.2.3.51 InstalmentPeriod1Code

Definition: Instalment period.

Type: CodeSet

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

18.2.3.52 InstalmentPlan1Code

Definition: Type of instalment plan.

Type: CodeSet

CodeName	Name	Definition
EQPM	EqualPayment	The payment is split in several instalments of equal amounts.
NQPM	InequalPayment	The payment is split in several instalments of different amounts.
DFRI	DeferredInstalment	The first instalment is deferred.

18.2.3.53 InterestRate1Code

Definition: Contains the list of interest rates.

Type: CodeSet

CodeName	Name	Definition
GSRT	GrossRate	Gross interest rate of the instalment
NTRT	NetRate	Net interest rate of the instalment
OTHN	OtherNational	Other interest rate of the instalment
OTHP	OtherPrivate	Other interest rate of the instalment

18.2.3.54 ISO3NumericCountryCode

Definition: Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Numeric-3 code). The code is checked against the list of country names coded with three digit characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9]{3,3}

18.2.3.55 KeyUsage1Code

Definition: Allowed usages of the key.

Type: CodeSet

CodeName	Name	Definition
ENCR	Encryption	Key may encrypt.
DCPT	Decryption	Key may decrypt.

CodeName	Name	Definition
DENC	DataEncryption	Key may encrypt data.
DDEC	DataDecryption	Key may decrypt data.
TRNI	TranslateInput	Key may encrypt information before translation.
TRNX	TranslateOutput	Key may encrypt information after translation.
MACG	MessageAuthenticationCodeGeneration	Key may generate message authentication codes (MAC).
MACV	MessageAuthenticationCodeVerification	Key may verify message authentication codes (MAC).
SIGG	SignatureGeneration	Key may generate digital signatures.
SUGV	SignatureVerification	Key may verify digital signatures.
PINE	PINEncryption	Key may encrypt personal identification numbers (PIN).
PIND	PINDecryption	Key may decrypt personal identification numbers (PIN).
PINV	PINVerification	Key may verify personal identification numbers (PIN).
KEYG	KeyGeneration	Key may generate keys.
KEYI	KeyImport	Key may import keys.
KEYX	KeyExport	Key may export keys.
KEYD	KeyDerivation	Key may derive keys.

18.2.3.56 LanguageCode

Definition: Specifies a language.

Type: CodeSet

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

18.2.3.57 LocationCategory3Code

Definition: Indicates the type of integration of the POI terminal in the sale environment.

Type: CodeSet

CodeName	Name	Definition
INDR	Indoor	Indoor terminal.
IPMP	InsidePump	Terminal incorporated in the pump dispensing petrol.
MPOI	MultiplePOITerminal	Multiple terminals linked to a unique sale terminal.

CodeName	Name	Definition
MPMP	MultiplePump	Outdoor terminal serving several petrol pumps.
MSLE	MultipleSaleTerminal	Terminal serving multiple sale terminals.
SSLE	SingleSaleTerminal	Terminal linked to a unique sale terminal.
VNDG	VendingMachine	Terminal integrated in a vending machine.

18.2.3.58 LocationCategory4Code

Definition: Indicates the type of integration of the POI terminal in the sale environment.

Type: CodeSet

CodeName	Name	Definition
ABRD	Aboard	Aboard is used when the sale is done in a vehicle (e.g a bus, train, ship, airplane, taxi, etc).
NMDC	Nomadic	Nomadic is used when the merchant is traveling to different locations (e.g fair or sport events, home delivery, food truck).
FIXD	PhysicalShop	Fixed location, for example in a shop.
VIRT	VirtualShop	Virtual Shop is used for any ecommerce solution.

18.2.3.59 LoyaltyHandling1Code

Definition: Possible types of Loyalty processing.

Type: CodeSet

CodeName	Name	Definition
ALLO	Allowed	The loyalty is accepted, but the POI has not to require or ask a loyalty card. The loyalty is involved by the payment card (e.g. an hybrid or linked card).
DENY	Forbidden	No loyalty card to read and loyalty transaction to process. Any attempt to enter a pure loyalty card is rejected.
PRCS	Processed	The loyalty transaction is already processed, no loyalty card or loyalty transaction to process.
PROP	Proposed	The loyalty is accepted, and the POI has to ask a loyalty card. If the Customer does not enter a loyalty card, no loyalty transaction is realised.
REQU	Required	The loyalty is required, and the POI refuses the processing of the message request if the cardholder does not enter a loyalty card.

18.2.3.60 LoyaltyTransactionType1Code

Definition: Type of loyalty transaction.

Type: CodeSet

CodeName	Name	Definition
AWRD	Award	Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates.
AWRR	AwardRefund	Refund of a loyalty award transaction.
REBR	RebateRefund	Refund of a loyalty rebate transaction.
REBA	Rebate	Rebate on a total amount, sale item amount, or sale items.
REDE	Redemption	Redemption on a loyalty account.
REDR	RedemptionRefund	Refund of a loyalty redemption transaction.

18.2.3.61 LoyaltyTypeTransactionTotals1Code

Definition: Type of Loyalty transaction.

Type: CodeSet

CodeName	Name	Definition
AWRD	Award	Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates.
REBA	Rebate	Rebate on a total amount, sale item amount, or sale items.
REDE	Redemption	Redemption on a loyalty account.
AWRR	ReverseAward	Refund of a loyalty award transaction.
REBR	ReverseRebate	Refund of a loyalty rebate transaction.
REDR	ReverseRedemption	Refund of a loyalty redemption transaction.

18.2.3.62 MemoryUnit1Code

Definition: Unit of the memory size.

Type: CodeSet

CodeName	Name	Definition
BYTE	Byte	Byte.
EXAB	ExaByte	Exa byte.
GIGA	GigaByte	Giga byte.
KILO	KiloByte	Kilo byte.

CodeName	Name	Definition
MEGA	MegaByte	Mega byte.
PETA	PetaByte	Peta byte.
TERA	TeraByte	Tera byte.

18.2.3.63 NetworkType1Code

Definition: Type of communication network.

Type: CodeSet

CodeName	Name	Definition
IPNW	InternetProtocol	Protocol of an IP network.
PSTN	PublicTelephone	Protocol of a Public Switched Telephone Network (PSTN).

18.2.3.64 OnLineCapability1Code

Definition: On-line and off-line capabilities of the POI (Point Of Interaction).

Type: CodeSet

CodeName	Name	Definition
OFLN	OffLine	Off-line only capable.
ONLN	OnLine	On-line only capable.
SMON	SemiOffLine	Off-line capable with possible on-line requests to the acquirer.

18.2.3.65 OnLineReason2Code

Definition: Reason to process an online authorisation.

Type: CodeSet

CodeName	Name	Definition
RNDM	RandomSelection	Transaction random selection to go online.
ICCF	ICCForced	Payment application in the Integrated Circuit Card forces to go on-line.
MERF	MerchantForced	On line forced by card acceptor.
TRMF	TerminalForced	Terminal random selection to go online.
ISSF	IssuerForced	On line forced by card issuer.
FRLT	FloorLimit	Over floor limit.
EXFL	ExceptionFile	Card appears on terminal exception file.
TAMT	TotalAmount	Total amount of purchases per cardholder and per application above floor limit.
CBIN	ControlledBIN	Bank Identification Number under control.

CodeName	Name	Definition
UBIN	UnknownBIN	Unknown Bank Identification Number.
CPAN	ControlledPAN	Primary account number (card number) under control.
FLOW	FlowControl	Flow control.
CRCY	UnavailableCurrency	Unknown currency code or foreign currency.
IFPR	IssuerForcedPINRequest	Request Cardholder Authentication through PIN insertion

18.2.3.66 Operator1Code

Definition: Code containing the operator used to indicate the relationship between a variable and a fixed value.

Type: CodeSet

CodeName	Name	Definition
SMAL	SmallerThan	Smaller than.
SMEQ	SmallerOrEqualTo	Smaller or equal to.
GREA	GreaterThan	Greater than.
GREQ	GreaterOrEqualTo	Greater or equal to.
EQAL	EqualTo	Equal to.

18.2.3.67 OutputFormat1Code

Definition: Message format.

Type: CodeSet

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

18.2.3.68 OutputFormat3Code

Definition: Type of output format.

Type: CodeSet

CodeName	Name	Definition
BARC	Barcode	Barcode to output in several possible format.
MENT	MenuEntry	A text to display as a menu before requesting an input.
MREF	MessageReference	Predefined configured messages, identified by a reference.

CodeName	Name	Definition
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

18.2.3.69 PartyType14Code

Definition: Identification of the type of entity involved in a transaction.

Type: CodeSet

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
ICCA	CardApplication	Application in the smart card.

18.2.3.70 PartyType33Code

Definition: Identification of the type of entity involved in a transaction.

Type: CodeSet

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
MTMG	MasterTerminalManager	Responsible for the maintenance of a card payment acceptance terminal.
TAXH	TaxAuthority	Tax authority.
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.

18.2.3.71 PartyType3Code

Definition: Identification of the type of entity involved in a transaction.

Type: CodeSet

CodeName	Name	Definition
OPOI	OriginatingPOI	Point Of Interaction initiating the card payment transaction.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.

18.2.3.72 PartyType4Code

Definition: Entity assigning an identification (for example merchant, acceptor, acquirer, tax authority, etc.).

Type: CodeSet

CodeName	Name	Definition
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
TAXH	TaxAuthority	Tax authority.

18.2.3.73 PartyType7Code

Definition: Party that communicate with a POI component (Point of Interaction), using a communication device.

Type: CodeSet

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
PCPT	POIComponent	Party component of a POI system or POI terminal (Point of Interaction).
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.
SALE	SaleSystem	Party selling goods and services.

18.2.3.74 PaymentInstrumentType1Code

Definition: Type of payment instrument.

Type: CodeSet

CodeName	Name	Definition
CARD	Card	Payment card (credit or debit).
CASH	Cash	Cash managed by a cash handling system.
CHCK	Check	Paper check.
LOYT	LoyaltyAccount	Account using loyalty processing.
SVAC	StoredValueAccount	Account accessed by a stored value instrument such as a card or a certificate.

18.2.3.75 PINFormat3Code

Definition: PIN (Personal Identification Number) format used before encryption.

Type: CodeSet

CodeName	Name	Definition
ISO0	ISO0	PIN diversified with the card account number, conforming to the standard ISO 9564-2.
ISO1	ISO1	PIN completed with random padding characters, conforming to the standard ISO 9564-2.
ISO2	ISO2	PIN without diversification characters, conforming to the standard ISO 9564-2.
ISO3	ISO3	PIN diversified with the card account number and random characters, conforming to the standard ISO 9564-2.

CodeName	Name	Definition
ISO4	ISO4	PIN format used with AES encryption, conforming to the new ISO SC2 format.
ISO5	ISO5	Alternative PIN format used with AES encryption, conforming to the new ISO SC2 format.

18.2.3.76 PINRequestType1Code

Definition: Type of PIN Service.

Type: CodeSet

CodeName	Name	Definition
PIAE	PINAcquisitionEncryption	The cardholder enters the PIN, the POI enciphers the PIN Block and provides it as a result to the Sale System.
PIAV	PINAcquisitionVerification	The Cardholder enters the PIN and the POI verifies it.
PIVO	PINVerifyOnly	The Sale System send a previous keyed PIN and the POI verifies it.

18.2.3.77 PlanOwner1Code

Definition: Contains list of plan owners

Type: CodeSet

CodeName	Name	Definition
ACCP	Acceptor	Plan owner is an acceptor.
ACQR	Acquirer	Plan owner is an acquirer.
ISSR	Issuer	Plan owner is an issuer.
OTHN	OtherNational	plan owner type is other national.
OTHP	OtherPrivate	plan owner type is other private.

18.2.3.78 POICommunicationType2Code

Definition: Low level communication of the hardware or software component toward another component or an external entity.

Type: CodeSet

CodeName	Name	Definition
BLTH	Bluetooth	Communication with a host using Bluetooth.
ETHR	Ethernet	Ethernet port to communicate.
GPRS	GPRS	Communication with a host using GPRS.
GSMF	GSM	Communication with a host using GSM.
PSTN	PSTN	Communication with a host using Public Switching Telephone Network.

CodeName	Name	Definition
RS23	RS232	Serial port to communicate.
USBD	USBDevice	Communication with a USB stick or any USB device.
USBH	USBHost	Communication with a host from an USB port.
WIFI	Wifi	Wifi communication with another component.
WT2G	WirelessTechnology2G	Includes all communication technologies which can be qualified as being part of the 2G technology (e.g EDGE or PDC).
WT3G	WirelessTechnology3G	Includes all communication technologies which can be qualified as being part of the 3G technology.
WT4G	WirelessTechnology4G	Includes all communication technologies which can be qualified as being part of the 4G technology.
WT5G	WirelessTechnology5G	Includes all communication technologies which can be qualified as being part of the 5G technology.

18.2.3.79 POIComponentAssessment1Code

Definition: Type of assessment of a POI component (Point of Interaction).

Type: CodeSet

CodeName	Name	Definition
APPL	Approval	Approval number delivered by an approval centre.
CERT	Certification	Certification number delivered by a certification body.
EVAL	Evaluation	Evaluation by a lab or a tool.

18.2.3.80 POIComponentStatus1Code

Definition: Status of a component belonging to a POI Terminal (Point of Interaction).

Type: CodeSet

CodeName	Name	Definition
WAIT	WaitingActivation	Component not yet activated.
OUTD	OutOfOrder	Component not working properly.
OPER	InOperation	Component activated and in operation.
DACT	Deactivated	Component has been deactivated.

18.2.3.81 POIComponentType6Code

Definition: Type of component belonging to a POI (Point of Interaction) Terminal.

Type: CodeSet

CodeName	Name	Definition
AQPP	AcquirerProtocolParameters	Parameters for acquirer interface of the point of interaction, including acquirer host configuration parameters.
APPR	ApplicationParameters	Parameters of a payment application running on the point of interaction.
TLPR	TerminalParameters	Manufacturer configuration parameters of the point of interaction.
SCPR	SecurityParameters	Security parameters of the point of interaction.
SERV	Server	Payment server of a point of interaction system.
TERM	Terminal	Payment terminal point of interaction.
DVCE	Device	Device sub-component of a component of the point of interaction.
SECM	SecureModule	Security module.
APLI	PaymentApplication	Payment application software.
EMVK	EMVKernel	EMV application kernel (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa).
EMVO	EMVLevel1	EMV physical interface (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa).
MDWR	Middleware	Software module of the point of interaction.
DRVR	Driver	Driver module of the point of interaction.
OPST	OperatingSystem	Software that manages hardware to provide common services to the applications.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).
CRTF	CertificateParameters	Certificate provided by a terminal manager.
TMSP	TMSProtocolParameters	Configuration parameters for the TMS protocol.
SACP	SaleComponent	Component of the Sale system.
SAPR	SaleToPOIProtocolParameters	Parameters related to the Sale to POI protocol.
LOGF	LogFile	Any repository used for recording log traces.
MDFL	MediaFile	Media file managed by an application of the POI.
SOFT	Soft	Payment or other software application.
CONF	ConfigurationFile	Configuration file relevant for the POI.
RPFL	ReportFile	Report file generated by the POI.

18.2.3.82 ProcessingPosition2Code

Definition: Specifies the processing position.

Type: CodeSet

CodeName	Name	Definition
AFTE	After	Specifies that the transaction/instruction is to be executed after the linked transaction/instruction.
WITH	With	Specifies that the transaction/instruction is to be executed with the linked transaction/instruction.
BEFO	Before	Specifies that the transaction/instruction is to be executed before the linked transaction/instruction.
INFO	Information	Specifies that the transactions/instructions are linked for information purposes only.

18.2.3.83 QRCodeEncodingMode1Code

Definition: Encoding Mode of Quick Response Code.

Type: CodeSet

CodeName	Name	Definition
ALFA	Alphanumeric	Alphanumeric value provided in Barcode field.
BINA	Binary	Binary value provided in Quick Response Code Binary Value.
KANJ	Kanji	Kanji value provided in Quick Response Code Binary Value.
NUME	Numeric	Numeric value provided in Barcode field.

18.2.3.84 QRCodeErrorCorrection1Code

Definition: Error Correction mode of Quick Response Code.

Type: CodeSet

CodeName	Name	Definition
M015	ErrorCorrection15Percent	Reed-Solomon error correction 15%
Q025	ErrorCorrection25Percent	Reed-Solomon error correction 25%
H030	ErrorCorrection30Percent	Reed-Solomon error correction 30%
L007	ErrorCorrection7Percent	Reed-Solomon error correction 7%

18.2.3.85 ReconciliationType1Code

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

Type: CodeSet

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

18.2.3.86 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.

18.2.3.87 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.

18.2.3.88 Response11Code

Definition: Result of the processing of the message

Type: CodeSet

CodeName	Name	Definition
WARN	Warning	An additional Response Code, mainly a functional one, should be considered to identify the outcome of the request.
FAIL	Failure	Processing of the request fails for various reasons. Some further processing according to the type of requested service, the context of the process, and some additional precision about the failure notified in the ErrorCondition data element.
SUCC	Success	Processing OK. Information related to the result of the processing is contained in other parts of the response message.

18.2.3.89 Response9Code

Definition: Result of the performed service.

Type: CodeSet

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

18.2.3.90 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.

18.2.3.91 RetailerMessage1Code

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

Type: CodeSet

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

18.2.3.92 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.

CodeName	Name	Definition
BUSY	Busy	The system is busy, try later.
CANC	Cancel	The user has aborted the transaction on the PED keyboard, for instance during PIN entering.
DEVO	DeviceOut	Device out of order.
WPIN	WrongPIN	The user has entered the PIN on the PED keyboard and the verification fails.
NHOS	UnreachableHost	Acquirer or any host is unreachable or has not answered to an online request, so is considered as temporary unavailable. Depending on the Sale context, the request could be repeated (to be compared with "Refusal").
UNVS	UnavailableService	The service is not available (not implemented, not configured, protocol version too old...).
UNVD	UnavailableDevice	The hardware is not available (absent, not configured...).
REFU	Refusal	The transaction is refused by the host or by the local rules associated to the card or the POI.
PAYR	PaymentRestriction	Some sale items are not payable by the card proposed by the Customer.
TNFD	NotFound	The transaction is not found (e.g. for a reversal or a repeat).
NALW	NotAllowed	A service request is sent during a Service dialogue. A combination of services not possible to provide. During the DeviceInitialisationCardReader message processing, the user has entered a card which has to be protected by the POI, and cannot be processed with this device request from the external, and then the Sale System.
LOUT	LoggedOut	Not logged in.
IVCA	InvalidCard	The card entered by the Customer cannot be processed by the POI because this card is not configured in the system.
ICAR	InsertedCard	If the Input Device request a NotifyCardInputFlag and the Customer enters a card in the card reader without answers to the Input command, the POI 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.

18.2.3.93 RetailerService1Code

Definition: List of Retail services available and used in the Retail messages. Helps to know which service to activate.

Type: CodeSet

CodeName	Name	Definition
DCAQ	DeviceSendApplicationProtocolDataUnitCardReaderRequest	A service to send commands to a card.
ADAQ	AdministrativeAdminRequest	An administrative request, to select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system.
ADAP	AdministrativeAdminResponse	The POI System responds to an administrative request.
RPAP	AdministrativeReportGetTotalsResponse	The POI System responds to a totals figures request.
RPAQ	AdministrativeReportGetTotalsRequest	The Sale System requests to the POI System a report on the totals figures of the POI system.
RPTQ	AdministrativeReportTransactionRequest	The Sale System requests to the POI System a report on a list of transactions.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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 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.

18.2.3.94 RetailerService2Code

Definition: List of specific services for ServiceRequest

Type: CodeSet

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

18.2.3.95 RetailerService3Code

Definition: List of specific services for ServiceResponse.

Type: CodeSet

CodeName	Name	Definition
FSPR	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.

CodeName	Name	Definition
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.

18.2.3.96 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.

18.2.3.97 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.

18.2.3.98 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.

18.2.3.99 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.

18.2.3.100 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.

18.2.3.101 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.

CodeName	Name	Definition
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.

18.2.3.102 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.

18.2.3.103 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.

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.

18.2.3.104 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).

18.2.3.105 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.

18.2.3.106 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.

18.2.3.107 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.

CodeName	Name	Definition
TRVL	Travel	Travel prepaid account.

18.2.3.108 StoredValueTransactionType2Code

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

Type: CodeSet

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

18.2.3.109 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.

18.2.3.110 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.

CodeName	Name	Definition
DELT	Delete	Request to delete the element identified inside the message exchange.
DWNL	Download	Request to download the element identified inside the message exchange.
INST	Install	Request to install the element identified inside the message exchange.
RSTR	Restart	Request to restart the element identified inside the message exchange.
UPLD	Upload	Request to upload the element identified inside the message exchange.
UPDT	Update	Request to update the element identified inside the message exchange.
BIND	Bind	Request sent to a POI to bind with a server.
RBND	Rebind	Request sent to a POI to rebind with a server.
UBND	Unbind	Request sent to a POI to unbind with a server.
ACTV	Activate	Request to activate the element identified inside the message exchange.
DEVR	DeviceRequest	Request to execute a device request.

18.2.3.111 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.

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.

18.2.3.112 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.

18.2.3.113 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.

CodeName	Name	Definition
SNID	PerShiftNumber	Give the totals result per Shift Number Identification value.
SAID	PerSaleIdentification	Give the totals result per Sale Identification value.

18.2.3.114 TrackFormat1Code

Definition: Use to identify format of a track on a card or other documents like checks.

Type: CodeSet

CodeName	Name	Definition
AAMV	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.

18.2.3.115 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.

18.2.3.116 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.

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.

18.2.3.117 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.

18.2.3.118 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.
RESA	Reserved	Reserved or updated reserved amount for reservation.

18.2.3.119 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).

CodeName	Name	Definition
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.

18.2.3.120 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.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.

CodeName	Name	Definition
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.
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.

18.2.3.121 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.

18.2.3.122 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.

18.2.4 Date

18.2.4.1 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

18.2.5 DateTime

18.2.5.1 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

18.2.6 IdentifierSet

18.2.6.1 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.

18.2.6.2 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}

18.2.6.3 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.

18.2.6.4 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}

18.2.7 Indicator

18.2.7.1 PlusOrMinusIndicator

Definition: Indicates a positive or negative value.

Type: Indicator

Meaning When True: Plus

Meaning When False: Minus

18.2.7.2 TrueFalseIndicator

Definition: A flag indicating a True or False value.

Type: Indicator

Meaning When True: True

Meaning When False: False

18.2.8 Quantity

18.2.8.1 DecimalNumber

Definition: Number of objects represented as a decimal number, for example 0.75 or 45.6.

Type: Quantity

Format

totalDigits 18

fractionDigits	17
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18.2.8.2 Number

Definition: Number of objects represented as an integer.

Type: Quantity

Format

totalDigits	18
fractionDigits	0

18.2.8.3 PositiveNumber

Definition: Number of objects represented as a positive integer.

Type: Quantity

Format

minInclusive	1
totalDigits	18
fractionDigits	0

18.2.9 Rate

18.2.9.1 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

18.2.9.2 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

18.2.10 Text

18.2.10.1 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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18.2.10.2 Exact3NumericText

Definition: Specifies a numeric string with an exact length of 3 digits.

Type: Text

Format

pattern	[0-9]{3}
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18.2.10.3 Exact4NumericText

Definition: Specifies a numeric string with an exact length of 4 digits.

Type: Text

Format

pattern	[0-9]{4}
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18.2.10.4 Max1025Text

Definition: Specifies a character string with a maximum length of 1025 characters.

Type: Text

Format

minLength	1
maxLength	1025

18.2.10.5 Max104Text

Definition: Specifies a character string with a maximum length of 104 characters.

Type: Text

Format

minLength	1
maxLength	104

18.2.10.6 Max10Text

Definition: Specifies a character string with a maximum length of 10 characters.

Type: Text

Format

minLength	1
maxLength	10

18.2.10.7 Max11NumericText

Definition: Specifies a numeric string with a maximum length of 11 digits.

Type: Text

Format

pattern	[0-9]{1,11}
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18.2.10.8 Max140Text

Definition: Specifies a character string with a maximum length of 140 characters.

Type: Text

Format

minLength	1
maxLength	140

18.2.10.9 Max15NumericText

Definition: Specifies a numeric string with a maximum length of 15 digits.

Type: Text

Format

pattern	[0-9]{1,15}
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18.2.10.10 Max16Text

Definition: Specifies a character string with a maximum length of 16 characters.

Type: Text

Format

minLength	1
maxLength	16

18.2.10.11 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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18.2.10.12 Max20000Text

Definition: Specifies a character string with a maximum length of 20, 000 characters.

Type: Text

Format

minLength	1
maxLength	20000

18.2.10.13 Max256Text

Definition: Specifies a character string with a maximum length of 256 characters.

Type: Text

Format

minLength	1
maxLength	256

18.2.10.14 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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18.2.10.15 Max30Text

Definition: Specifies a character string with a maximum length of 30 characters.

Type: Text

Format

maxLength	30
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18.2.10.16 Max350Text

Definition: Specifies a character string with a maximum length of 350 characters.

Type: Text

Format

minLength	1
maxLength	350

18.2.10.17 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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18.2.10.18 Max35Text

Definition: Specifies a character string with a maximum length of 35 characters.

Type: Text

Format

minLength	1
maxLength	35

18.2.10.19 Max37Text

Definition: Specifies a character string with a maximum length of 37 characters.

Type: Text

Format

minLength	1
maxLength	37

18.2.10.20 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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18.2.10.21 Max3Text

Definition: Specifies a character string with a maximum length of 3 characters.

Type: Text

Format

minLength	1
maxLength	3

18.2.10.22 Max45Text

Definition: Specifies a character string with a maximum length of 45 characters.

Type: Text

Format

minLength	1
maxLength	45

18.2.10.23 Max500Text

Definition: Specifies a character string with a maximum length of 500 characters.

Type: Text

Format

minLength	1
maxLength	500

18.2.10.24 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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18.2.10.25 Max6Text

Definition: Specifies a character string with a maximum length of 6 characters.

Type: Text

Format

minLength	1
maxLength	6

18.2.10.26 Max70Text

Definition: Specifies a character string with a maximum length of 70characters.

Type: Text

Format

minLength	1
maxLength	70

18.2.10.27 Max76Text

Definition: Specifies a character string with a maximum length of 76 characters.

Type: Text

Format

minLength	1
maxLength	76

18.2.10.28 Max8000Text

Definition: Specifies a character string with a maximum length of 8000 characters.

Type: Text

Format

minLength	1
maxLength	8000

18.2.10.29 Max8Text

Definition: Specifies a character string with a maximum length of 8 characters.

Type: Text

Format

minLength	1
maxLength	8

18.2.10.30 Min2Max3AlphaText

Definition: Specifies an alpha string with a minimum length of 2 characters and a maximum length of 3 characters.

Type: Text

Format

pattern	[a-zA-Z]{2,3}
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18.2.10.31 Min2Max3NumericText

Definition: Specifies a numeric string with a minimum length of 2 digits, and a maximum length of 3 digits.

Type: Text

Format

pattern	[0-9]{2,3}
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18.2.10.32 Min3Max4Text

Definition: Specifies a character string with a minimum length of 3 characters, and a maximum length of 4 characters.

Type: Text

Format

minLength	3
maxLength	4

18.2.10.33 Min6Max8Text

Definition: Specifies a character string with a minimum length of 6 characters, and a maximum length of 8 characters.

Type: Text

Format

minLength	6
maxLength	8

18.2.10.34 Min8Max28NumericText

Definition: Specifies a numeric string with a minimum length of 8 digits, and a maximum length of 28 digits.

Type: Text

Format

pattern	[0-9]{8,28}
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18.2.10.35 PhoneNumber

Definition: The collection of information which identifies a specific phone or FAX number as defined by telecom services.

It consists of a "+" followed by the country code (from 1 to 3 characters) then a "-" and finally, any combination of numbers, "(", ")", "+ and "-" (up to 30 characters).

Type: Text

Format

pattern	\+[0-9]{1,3}-[0-9()+\-]{1,30}
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