

ISO 20022

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

Message Definition Report - Part 2

Approved by the Cards SEG on 25 January 2024

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

March 2024

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1 Message Set Overview

Introduction

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

1.1 List of MessageDefinitions

The following table lists all MessageDefinitions described in this book.

| MessageDefinition | Definition |
|--|---|
| casp.001.001.06 SaleToPOIServiceRequestV06 | This SaleToPOIServiceRequest message is sent by a sale system to trig a financial service on POI system. |
| casp.002.001.06 SaleToPOIServiceResponseV06 | The SaleToPOIServiceResponse message is sent by a POI to provide the outcome of a financial service. |
| casp.003.001.06 SaleToPOIReconciliationRequestV06 | The SaleToPOIReconciliationRequest message is sent by a sale system to request for reconciliation between sale and POI systems. |
| casp.004.001.06 SaleToPOIReconciliationResponseV06 | The SaleToPOIReconciliationResponse message is sent by a POI to provide the result of reconciliation process between sale and POI systems. |
| casp.005.001.06 SaleToPOISessionManagementRequestV06 | The SaleToPOISessionManagementRequest message is sent by a sale system to select an administrative service related to session management. |
| casp.006.001.06 SaleToPOISessionManagementResponseV06 | The SaleToPOISessionManagementResponse message is sent by a POI to provide the result of an administrative service related to session management. |
| casp.007.001.06 SaleToPOIAuthoritativeRequestV06 | The SaleToPOIAuthoritativeRequest message is sent by a sale system to POI System to request for an Authoritative service. |
| casp.008.001.06 SaleToPOIAuthoritativeResponseV06 | The SaleToPOIAuthoritativeResponse message is sent by a POI System to a sale system to provide response to an administrative service. |
| casp.009.001.06 SaleToPOIReportRequestV06 | The SaleToPOIReportRequest message is sent by sale system to request a report service. |
| casp.010.001.06 SaleToPOIReportResponseV06 | This SaleToPOIReportResponse message is sent by a POI to provide the report previously expected by a sale system. |
| casp.011.001.06 SaleToPOIAbortV06 | The SaleToPOIAbort message is sent by a sale system to abort process on POI. |
| casp.012.001.06 SaleToPOIEventNotificationV06 | The SaleToPOIEventNotification message is sent by a POI or a sale terminal to inform the other about the happening of an event. |
| casp.013.001.02 SaleToPOIMessageRejectionV02 | The SaleToPOIMessageRejection message is sent by one of the parties when it detects a technical or functional error in a previous received message. |
| casp.014.001.06 SaleToPOIMessageStatusRequestV06 | The SaleToPOIMessageStatusRequest message is sent by a sale system when the sale system wants to |

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

2 casp.001.001.06 SaleToPOIServiceRequestV06

2.1 MessageDefinition Functionality

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

Outline

The SaleToPOIServiceRequestV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. ServiceRequest

Information related to a service request.

C. SecurityTrailer

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

2.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Message root <Document> <SaleToPOISvcReq> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 14 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 14 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 15 | |
| | ExchangelIdentification <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 <Envrt> | [1..1] | ± | 22 | |
| | Context <Cntxt> | [1..1] | ± | 28 | |
| | ServiceContent <SvcCntt> | [1..1] | CodeSet | 31 | |
| | PaymentRequest <PmtReq> | [0..1] | | 31 | |
| | PaymentTransaction <PmtTx> | [0..1] | ± | 32 | |
| | LoyaltyData <LltyData> | [0..*] | | 37 | |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | 37 | |
| | Account <Acct> | [0..1] | ± | 38 | |
| | Amount <Amt> | [0..1] | | 38 | |
| | Unit <Unit> | [0..1] | CodeSet | 39 | |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 39 |
| | Amount <Amt> | [1..1] | Amount | | 39 |
| | ReversalRequest <RvslReq> | [0..1] | | 39 | |
| | ReversalTransaction <Rvs/Tx> | [0..1] | ± | 40 | |
| | LoyaltyData <LltyData> | [0..*] | | 45 | |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | 45 | |
| | Account <Acct> | [0..1] | ± | 46 | |
| | Amount <Amt> | [0..1] | | 46 | |
| | Unit <Unit> | [0..1] | CodeSet | | 47 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 47 |

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

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

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

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

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

2.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 CurrencyAmount

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

Note: The decimal separator is a dot.

C5 IBAN

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

C6 SupplementaryDataRule

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

C7 ValidationByTable

Must be a valid terrestrial language.

2.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

2.4.1 Header <Hdr>

Presence: [1..1]

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

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

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

2.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: ["RetailerMessage1Code" on page 1062](#)

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

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

2.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

2.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

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

2.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: ["ISODateTime" on page 1081](#)

2.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

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

2.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

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

2.4.1.7 Traceability <TracBlt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <TracBlt> contains the following elements (see "Traceability8" on page 931 for details)

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

2.4.2 ServiceRequest <SvcReq>

Presence: [1..1]

Definition: Information related to a service request.

ServiceRequest <SvcReq> contains the following **ServiceRequest7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Environment <Envt> | [1..1] | ± | | 22 |
| | Context <Cntxt> | [1..1] | ± | | 28 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 31 |
| | PaymentRequest <PmtReq> | [0..1] | | | 31 |
| | PaymentTransaction <PmtTx> | [0..1] | ± | | 32 |
| | LoyaltyData <LityData> | [0..*] | | | 37 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 37 |
| | Account <Acct> | [0..1] | ± | | 38 |
| | Amount <Amt> | [0..1] | | | 38 |
| | Unit <Unit> | [0..1] | CodeSet | | 39 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 39 |
| | Amount <Amt> | [1..1] | Amount | | 39 |
| | ReversalRequest <RvslReq> | [0..1] | | | 39 |
| | ReversalTransaction <RvslTx> | [0..1] | ± | | 40 |
| | LoyaltyData <LityData> | [0..*] | | | 45 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 45 |
| | Account <Acct> | [0..1] | ± | | 46 |
| | Amount <Amt> | [0..1] | | | 46 |
| | Unit <Unit> | [0..1] | CodeSet | | 47 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 47 |
| | Amount <Amt> | [1..1] | Amount | | 47 |
| | ReversalReason <RvslRsn> | [1..1] | CodeSet | | 47 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 48 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 48 |
| | BalanceInquiryRequest <BalNqryReq> | [0..1] | | | 48 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 50 |
| | PaymentAccountRequest <PmtAcctReq> | [0..1] | | | 50 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 50 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 51 |
| | AccountReference <AcctRef> | [0..1] | Text | | 51 |
| | LoyaltyAccountRequest <LityAcctReq> | [0..1] | | | 52 |

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

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | LoyaltyData <LityData> | [0..*] | | | 116 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 116 |
| | Account <Acct> | [0..1] | ± | | 117 |
| | Amount <Amt> | [0..1] | | | 117 |
| | Unit <Unit> | [0..1] | CodeSet | | 118 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 118 |
| | Amount <Amt> | [1..1] | Amount | | 118 |
| | ReversalReason <Rvs/Rsn> | [1..1] | CodeSet | | 118 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 119 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 119 |
| | EnableServiceRequest <Nb/SvcReq> | [0..1] | | | 119 |
| | TransactionAction <TxActn> | [1..1] | CodeSet | | 120 |
| | ServicesEnabled <SvcsNblD> | [0..1] | CodeSet | | 120 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 121 |
| | CardAcquisitionRequest <CardAcqstnReq> | [0..1] | | | 121 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 122 |
| | AllowedPaymentBrand <AllwdPmtBrnd> | [0..*] | Text | | 122 |
| | AllowedLoyaltyBrand <AllwdLityBrnd> | [0..*] | Text | | 122 |
| | ForceCustomerSelectionFlag <ForceCstmrSelctnFlg> | [0..1] | Indicator | | 122 |
| | TotalAmount <TtlAmt> | [0..1] | Amount | | 123 |
| | PaymentType <PmtTp> | [0..1] | CodeSet | | 123 |
| | CashBackFlag <CshBckFlg> | [0..1] | Indicator | | 123 |
| | SaleToPOIData <SaleToPOIData> | [0..1] | Text | | 123 |
| | SaleToAcquirerData <SaleToAcqrrData> | [0..1] | Text | | 124 |
| | SaleToIssuerData <SaleTolssrData> | [0..1] | Text | | 124 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 124 |

2.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

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

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

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

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

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

2.4.2.2 Context <Cntxt>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtdOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

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

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

2.4.2.3 ServiceContent <SvcCntr>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: ["RetailerService2Code" on page 1067](#)

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

2.4.2.4 PaymentRequest <PmtReq>

Presence: [0..1]

Definition: Content of the payment request.

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

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

2.4.2.4.1 PaymentTransaction <PmtTx>

Presence: [0..1]

Definition: Data associated with the Transaction.

PaymentTransaction <PmtTx> contains the following elements (see "[CardPaymentTransaction136](#)" on page 708 for details)

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

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

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

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

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

2.4.2.4.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

LoyaltyData <LltyData> contains the following LoyaltyrequestData3 elements

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

2.4.2.4.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.4.2.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

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

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

2.4.2.4.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

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

2.4.2.4.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

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

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

2.4.2.4.2.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

2.4.2.4.2.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.5 ReversalRequest <RvsIReq>

Presence: [0..1]

Definition: Content of the reversal request.

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

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

2.4.2.5.1 ReversalTransaction <RvslTx>

Presence: [0..1]

Definition: Transaction to reverse.

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

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

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

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

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

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

2.4.2.5.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

LoyaltyData <LltyData> contains the following LoyaltyrequestData3 elements

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

2.4.2.5.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.5.2.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

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

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

2.4.2.5.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 47 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 47 |
| | Amount <Amt> | [1..1] | Amount | | 47 |

2.4.2.5.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

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

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

2.4.2.5.2.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

2.4.2.5.2.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.5.3 ReversalReason <RvslRsn>

Presence: [1..1]

Definition: Reason for this reversal.

Datatype: ["ReversalReason1Code" on page 1071](#)

| CodeName | Name | Definition |
|----------|----------------------|-----------------------------------|
| CUSC | CustomerCancellation | Customer cancels the transaction. |

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

2.4.2.5.4 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount to reverse (total or partial).

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.5.5 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: Specific Customer Order linked with the reversal.

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

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

2.4.2.6 BalanceInquiryRequest <BalNqryReq>

Presence: [0..1]

Definition: Content of a Balance Inquiry Request.

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

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

2.4.2.6.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

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

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

2.4.2.6.2 PaymentAccountRequest <PmtAcctReq>

Presence: [0..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | AccountType <AcctTp> | [0..1] | CodeSet | | 50 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 51 |
| | AccountReference <AcctRef> | [0..1] | Text | | 51 |

2.4.2.6.2.1 AccountType <AcctTp>

Presence: [0..1]

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

Datatype: ["CardAccountType3Code" on page 1032](#)

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

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

2.4.2.6.2.2 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.6.2.3 AccountReference <AcctRef>

Presence: [0..1]

Definition: Reference of an account (all types).

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

2.4.2.6.3 LoyaltyAccountRequest <LltyAcctReq>

Presence: [0..1]

Definition: Data related to a requested Loyalty program or account.

LoyaltyAccountRequest <LltyAcctReq> contains the following **LoyaltyAccountRequest3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|------|-------------|------|
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 52 |
| | Account <Acct> | [0..1] | ± | | 52 |

2.4.2.6.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.6.3.2 Account <Acct>

Presence: [0..1]

Definition: Loyalty account information.

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

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

2.4.2.6.4 StoredValueAccountRequest <StordValAcctReq>

Presence: [0..1]

Definition: Data related to a requested Stored value account.

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

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

2.4.2.6.4.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

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

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

2.4.2.6.4.2 Data <Data>

Presence: [1..*]

Definition: Data related to the stored value card.

Data <Data> contains the following **StoredValueData7** elements

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

2.4.2.6.4.2.1 Provider <Prvdr>

Presence: [0..1]

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

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

2.4.2.6.4.2.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: ["StoredValueTransactionType3Code" on page 1073](#)

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

2.4.2.6.4.2.3 AccountIdentification <AcctId>

Presence: [0..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AccountType <AcctTp> | [0..1] | CodeSet | | 56 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 57 |
| | Identification <Id> | [0..1] | Text | | 58 |
| | Brand <Brnd> | [0..1] | Text | | 58 |
| | Provider <Prvdr> | [0..1] | Text | | 58 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 58 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 58 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 58 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 59 |
| | Balance <Bal> | [0..1] | Amount | | 59 |

2.4.2.6.4.2.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

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

2.4.2.6.4.2.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: ["CardIdentificationType1Code" on page 1034](#)

| CodeName | Name | Definition |
|-----------------|--------------------------------|--|
| ACCT | AccountNumber | Account identification. |
| BARC | BarCode | Bar-code with a specific form of identification. |
| ISO2 | ISOTrack2 | ISO Track 2 including identification. |
| PHON | PhoneNumber | A phone number identifies the account on which the phone card is assigned. |
| CPAN | PrimaryAccountNumber | Standard card identification (card number). |
| PRIV | PrivativeNumbering | An identification set by a privative application. |
| UUID | 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 1088

2.4.2.6.4.2.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

2.4.2.6.4.2.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

2.4.2.6.4.2.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

2.4.2.6.4.2.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

2.4.2.6.4.2.3.8 EntryMode <NtryMd>

Presence: [0..1]

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

Datatype: "CardDataReading8Code" on page 1033

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

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

2.4.2.6.4.2.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

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

2.4.2.6.4.2.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

2.4.2.6.4.2.4 OriginalPOITransaction <OrgnPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

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

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

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

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

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

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

2.4.2.6.4.2.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

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

2.4.2.6.4.2.6 EANUPC <EANUPC>

Presence: [0..1]

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

Datatype: ["Max35NumericText" on page 1088](#)

2.4.2.6.4.2.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.6.4.2.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the monetary amount.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

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

2.4.2.6.4.2.9 HostTransactionIdentification <HstTxId>

Presence: [0..1]

Definition: Identification of the transaction by the host in charge of the stored value transaction.

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

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

2.4.2.7 LoyaltyRequest <LltyReq>

Presence: [0..1]

Definition: Content of the Loyalty Request.

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

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

2.4.2.7.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.7.2 Transaction <Tx>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

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

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

2.4.2.7.2.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

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

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

2.4.2.7.2.2 LoyaltyTransactionType <LltyTxTp>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Datatype: "[LoyaltyTransactionType1Code](#)" on page 1050

| CodeName | Name | Definition |
|----------|------------------|--|
| AWRD | Award | Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates. |
| AWRR | AwardRefund | Refund of a loyalty award transaction. |
| REBR | RebateRefund | Refund of a loyalty rebate transaction. |
| REBA | Rebate | Rebate on a total amount, sale item amount, or sale items. |
| REDE | Redemption | Redemption on a loyalty account. |
| REDR | RedemptionRefund | Refund of a loyalty redemption transaction. |

2.4.2.7.2.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the loyalty transaction.

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

Datatype: "[ActiveCurrencyCode](#)" on page 1017

Constraints

- **ActiveCurrency**

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

2.4.2.7.2.4 TotalAmount <TtlAmt>

Presence: [0..1]

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

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

2.4.2.7.2.5 OriginalPOITransaction <OrgnlPOITx>

Presence: [0..1]

Definition: Data of a previous POI payment transaction.

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

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

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

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

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

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

2.4.2.7.2.6 SaleItem <SaleItm>

Presence: [0..*]

Definition: Item purchased with the transaction.

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

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

2.4.2.7.3 Data <Data>

Presence: [0..*]

Definition: Data related to a Loyalty program or account.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 74 |
| | Account <Acct> | [0..1] | ± | | 74 |
| | Amount <Amt> | [0..1] | | | 75 |
| | Unit <Unit> | [0..1] | CodeSet | | 75 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 75 |
| | Amount <Amt> | [1..1] | Amount | | 76 |

2.4.2.7.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.7.3.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

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

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

2.4.2.7.3.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 75 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 75 |
| | Amount <Amt> | [1..1] | Amount | | 76 |

2.4.2.7.3.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

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

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

2.4.2.7.3.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "[ActiveCurrencyCode](#)" on page 1017

Constraints**• ActiveCurrency**

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

2.4.2.7.3.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

2.4.2.8 StoredValueRequest <StordValReq>

Presence: [0..1]

Definition: Content of a Stored Value Request.

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

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

2.4.2.8.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

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

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

2.4.2.8.2 Data <Data>

Presence: [1..*]

Definition: Data related to the stored value card.

Data <Data> contains the following **StoredValueData7** elements

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

2.4.2.8.2.1 Provider <Prvdr>

Presence: [0..1]

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

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

2.4.2.8.2.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: ["StoredValueTransactionType3Code" on page 1073](#)

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

2.4.2.8.2.3 AccountIdentification <AcctId>

Presence: [0..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AccountType <AcctTp> | [0..1] | CodeSet | | 79 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 80 |
| | Identification <Id> | [0..1] | Text | | 81 |
| | Brand <Brnd> | [0..1] | Text | | 81 |
| | Provider <Prvdr> | [0..1] | Text | | 81 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 81 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 81 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 81 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 82 |
| | Balance <Bal> | [0..1] | Amount | | 82 |

2.4.2.8.2.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

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

2.4.2.8.2.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: ["CardIdentificationType1Code" on page 1034](#)

| CodeName | Name | Definition |
|-----------------|--------------------------------|--|
| ACCT | AccountNumber | Account identification. |
| BARC | BarCode | Bar-code with a specific form of identification. |
| ISO2 | ISOTrack2 | ISO Track 2 including identification. |
| PHON | PhoneNumber | A phone number identifies the account on which the phone card is assigned. |
| CPAN | PrimaryAccountNumber | Standard card identification (card number). |
| PRIV | PrivativeNumbering | An identification set by a privative application. |
| UUID | 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 1088

2.4.2.8.2.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

2.4.2.8.2.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

2.4.2.8.2.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

2.4.2.8.2.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

2.4.2.8.2.3.8 EntryMode <NtryMd>

Presence: [0..1]

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

Datatype: "CardDataReading8Code" on page 1033

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

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

2.4.2.8.2.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

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

2.4.2.8.2.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

2.4.2.8.2.4 OriginalPOITransaction <OrgnPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

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

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

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

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

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

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

2.4.2.8.2.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

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

2.4.2.8.2.6 EANUPC <EANUPC>

Presence: [0..1]

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

Datatype: ["Max35NumericText" on page 1088](#)

2.4.2.8.2.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.8.2.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the monetary amount.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

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

2.4.2.8.2.9 HostTransactionIdentification <HstTxId>

Presence: [0..1]

Definition: Identification of the transaction by the host in charge of the stored value transaction.

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

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

2.4.2.9 BatchRequest <BtchReq>

Presence: [0..1]

Definition: Content of the Batch Request.

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

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

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

2.4.2.9.1 SaleBatchIdentification <SaleBtchId>

Presence: [0..1]

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

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

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

2.4.2.9.2 RemoveAllFlag <RmvAllFlg>

Presence: [0..1]

Definition: Flag to remove all the transactions.

Datatype: One of the following values must be used (see "["TrueFalseIndicator"](#) on page 1083):

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

2.4.2.9.3 TransactionToPerform <TxToPrfrm>

Presence: [0..*]

Definition: Content of the Batch Request message.

TransactionToPerform <TxToPrfrm> contains one of the following **TransactionToPerform6Choice** elements

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Amount <Amt> | [0..1] | | | 117 |
| | Unit <Unit> | [0..1] | CodeSet | | 118 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 118 |
| | Amount <Amt> | [1..1] | Amount | | 118 |
| | ReversalReason <Rvs/Rsn> | [1..1] | CodeSet | | 118 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 119 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 119 |

2.4.2.9.3.1 PaymentRequest <PmtReq>

Presence: [0..1]

Definition: Content of the Payment Request message.

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

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

2.4.2.9.3.1.1 PaymentTransaction <PmtTx>

Presence: [0..1]

Definition: Data associated with the Transaction.

PaymentTransaction <PmtTx> contains the following elements (see "[CardPaymentTransaction136](#)" on page 708 for details)

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

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

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

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

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

2.4.2.9.3.1.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

LoyaltyData <LltyData> contains the following LoyaltyrequestData3 elements

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

2.4.2.9.3.1.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.9.3.1.2.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

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

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

2.4.2.9.3.1.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 99 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 99 |
| | Amount <Amt> | [1..1] | Amount | | 99 |

2.4.2.9.3.1.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

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

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

2.4.2.9.3.1.2.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

2.4.2.9.3.1.2.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.9.3.2 LoyaltyRequest <LltyReq>

Presence: [0..1]

Definition: Content of the Loyalty Request message.

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

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

2.4.2.9.3.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.9.3.2.2 Transaction <Tx>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

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

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

2.4.2.9.3.2.2.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

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

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

2.4.2.9.3.2.2.2 LoyaltyTransactionType <LityTxTp>

Presence: [1..1]

Definition: Data related to the loyalty transaction.

Datatype: "[LoyaltyTransactionType1Code](#)" on page 1050

| CodeName | Name | Definition |
|----------|------------------|--|
| AWRD | Award | Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates. |
| AWRR | AwardRefund | Refund of a loyalty award transaction. |
| REBR | RebateRefund | Refund of a loyalty rebate transaction. |
| REBA | Rebate | Rebate on a total amount, sale item amount, or sale items. |
| REDE | Redemption | Redemption on a loyalty account. |
| REDR | RedemptionRefund | Refund of a loyalty redemption transaction. |

2.4.2.9.3.2.2.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the loyalty transaction.

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

Datatype: "[ActiveCurrencyCode](#)" on page 1017

Constraints

- **ActiveCurrency**

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

2.4.2.9.3.2.2.4 TotalAmount <TtlAmt>

Presence: [0..1]

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

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

2.4.2.9.3.2.2.5 OriginalPOITransaction <OrgnIPOITx>

Presence: [0..1]

Definition: Data of a previous POI payment transaction.

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

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

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

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

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

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

2.4.2.9.3.2.2.6 SaleItem <SaleItm>

Presence: [0..*]

Definition: Item purchased with the transaction.

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

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

2.4.2.9.3.2.3 Data <Data>

Presence: [0..*]

Definition: Data related to a Loyalty program or account.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 109 |
| | Account <Acct> | [0..1] | ± | | 109 |
| | Amount <Amt> | [0..1] | | | 110 |
| | Unit <Unit> | [0..1] | CodeSet | | 110 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 110 |
| | Amount <Amt> | [1..1] | Amount | | 111 |

2.4.2.9.3.2.3.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.9.3.2.3.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

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

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

2.4.2.9.3.2.3.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 110 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 110 |
| | Amount <Amt> | [1..1] | Amount | | 111 |

2.4.2.9.3.2.3.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

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

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

2.4.2.9.3.2.3.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "[ActiveCurrencyCode](#)" on page 1017

Constraints

- **ActiveCurrency**

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

2.4.2.9.3.2.3.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.9.3.3 ReversalRequest <RvslReq>

Presence: [0..1]

Definition: Content of the Reversal Request message.

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

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

2.4.2.9.3.3.1 ReversalTransaction <RvslTx>

Presence: [0..1]

Definition: Transaction to reverse.

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

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

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

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

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

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

2.4.2.9.3.3.2 LoyaltyData <LltyData>

Presence: [0..*]

Definition: Data linked to card loyalty during payment.

LoyaltyData <LltyData> contains the following LoyaltyrequestData3 elements

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

2.4.2.9.3.3.2.1 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: To retrieve Card Acquisition Data.

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

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

2.4.2.9.3.3.2.2 Account <Acct>

Presence: [0..1]

Definition: Identification of a Loyalty account.

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

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

2.4.2.9.3.3.2.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of a loyalty account.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 118 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 118 |
| | Amount <Amt> | [1..1] | Amount | | 118 |

2.4.2.9.3.3.2.3.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

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

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

2.4.2.9.3.3.2.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

2.4.2.9.3.3.2.3.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.9.3.3.3 ReversalReason <RvslRsn>

Presence: [1..1]

Definition: Reason for this reversal.

Datatype: ["ReversalReason1Code" on page 1071](#)

| CodeName | Name | Definition |
|----------|----------------------|-----------------------------------|
| CUSC | CustomerCancellation | Customer cancels the transaction. |

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

2.4.2.9.3.3.4 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount to reverse (total or partial).

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.9.3.3.5 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: Specific Customer Order linked with the reversal.

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

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

2.4.2.10 EnableServiceRequest <NbISvcReq>

Presence: [0..1]

Definition: Content of the Enable Service Request.

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

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

2.4.2.10.1 TransactionAction <TxActn>

Presence: [1..1]

Definition: Action to realise on a transaction.

Datatype: ["TransactionAction1Code" on page 1077](#)

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

2.4.2.10.2 ServicesEnabled <SvcsNbld>

Presence: [0..1]

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

Datatype: ["RetailerService2Code" on page 1067](#)

| CodeName | Name | Definition |
|----------|--------------------------------|---|
| FSPQ | FinancialPaymentRequest | The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...). |
| FSRQ | FinancialReversalRequest | The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service. |
| FSIQ | FinancialBalanceInquiryRequest | The Sale System requests to the POI System to perform balance inquiry on the main account. |
| FSBQ | FinancialBatchRequest | The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery). |
| FSLQ | FinancialLoyaltyRequest | The Sale System requests to the POI System a loyalty service like loading or redeem. |
| FSVQ | FinancialStoredValueRequest | The Sale System requests to the POI System to manage a stored value card or account (eg. Load, Payment, Reimbursement). |

| CodeName | Name | Definition |
|----------|---------------------------------|--|
| FSEQ | FinancialEnableServiceRequest | The Sale System requests to the POI System to enable a service on its side. |
| FSAQ | FinancialCardAcquisitionRequest | The Sale System requests to the POI System to handle a card data acquisition on the card reader. |
| FSCQ | FinancialReconciliationRequest | The Sale System request to the POI System different kinds of transaction reconciliation. |

2.4.2.10.3 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Prompt or welcome message.

DisplayOutput <DispOutpt> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrctd> | [0..1] | | | 865 |
| | BarcodeType <BrctTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrctVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

2.4.2.11 CardAcquisitionRequest <CardAcqstnReq>

Presence: [0..1]

Definition: Content of the Card Acquisition Request.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 122 |
| | AllowedPaymentBrand <AllwdPmtBrnd> | [0..*] | Text | | 122 |
| | AllowedLoyaltyBrand <AllwdLltyBrnd> | [0..*] | Text | | 122 |
| | ForceCustomerSelectionFlag <ForceCstmrSelctnFlg> | [0..1] | Indicator | | 122 |
| | TotalAmount <TtlAmt> | [0..1] | Amount | | 123 |
| | PaymentType <PmtTp> | [0..1] | CodeSet | | 123 |
| | CashBackFlag <CshBckFlg> | [0..1] | Indicator | | 123 |
| | SaleToPOIData <SaleToPOIData> | [0..1] | Text | | 123 |
| | SaleToAcquirerData <SaleToAcqrrData> | [0..1] | Text | | 124 |
| | SaleToIssuerData <SaleToIssrData> | [0..1] | Text | | 124 |

2.4.2.11.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

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

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

2.4.2.11.2 AllowedPaymentBrand <AllwdPmtBrnd>

Presence: [0..*]

Definition: Card payment brands allowed by the Sale System for the payment transaction.

Datatype: "Max35Text" on page 1088

2.4.2.11.3 AllowedLoyaltyBrand <AllwdLltyBrnd>

Presence: [0..*]

Definition: Loyalty brands or programs allowed by the Sale System for the loyalty transaction.

Datatype: "Max35Text" on page 1088

2.4.2.11.4 ForceCustomerSelectionFlag <ForceCstmrSelctnFlg>

Presence: [0..1]

Definition: Indicates if the Customer realises the selection of the card application.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1083):

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

2.4.2.11.5 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Amount of the transaction. It allows the processing of a contactless card.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

2.4.2.11.6 PaymentType <PmtTp>

Presence: [0..1]

Definition: Type of payment transaction.

Datatype: ["CardPaymentServiceType13Code" on page 1036](#)

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

2.4.2.11.7 CashBackFlag <CshBckFlg>

Presence: [0..1]

Definition: Indicates if Cashback is allowed

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

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

2.4.2.11.8 SaleToPOIData <SaleToPOIData>

Presence: [0..1]

Definition: The POI System receives this information.

Datatype: ["Max70Text" on page 1090](#)

2.4.2.11.9 SaleToAcquirerData <SaleToAcqrrData>

Presence: [0..1]

Definition: Sale information intended for the Acquirer.

Datatype: "Max70Text" on page 1090

2.4.2.11.10 SaleToIssuerData <SaleTolssrData>

Presence: [0..1]

Definition: Sale information intended for the Issuer.

Datatype: "Max70Text" on page 1090

2.4.2.12 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: C6 "SupplementaryDataRule"

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

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

Constraints

- **SupplementaryDataRule**

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

2.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

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

3 casp.002.001.06 SaleToPOIServiceResponseV06

3.1 MessageDefinition Functionality

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

Outline

The SaleToPOIServiceResponseV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the response.

B. ServiceResponse

Information related to the response of a service request.

C. SecurityTrailer

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

3.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | Message root <Document> <SaleToPOISvcRspn> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | | 131 |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 132 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 133 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 133 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 133 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 133 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 134 |
| | Traceability <Tracblt> | [0..*] | ± | | 135 |
| | ServiceResponse <SvcRspn> | [1..1] | | | 135 |
| | Environment <Envrt> | [1..1] | ± | | 140 |
| | Context <Cntxt> | [1..1] | ± | | 146 |
| | ServiceContent <SvcCntt> | [1..1] | CodeSet | | 149 |
| | PaymentResponse <PmtRspn> | [0..1] | | | 149 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 150 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 151 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 151 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 151 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 151 |
| | RetailerPaymentResult <RtlrPmtRslt> | [1..1] | ± | | 151 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 154 |
| | LoyaltyResult <LityRslt> | [0..*] | | | 154 |
| | Account <Acct> | [1..1] | ± | | 155 |
| | Amount <Amt> | [0..1] | | | 156 |
| | Unit <Unit> | [0..1] | CodeSet | | 156 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 156 |
| | Amount <Amt> | [1..1] | Amount | | 156 |
| | ServerData <SvrData> | [0..1] | | | 156 |
| | LoyaltyServerIdentification <LitySvrlId> | [0..1] | Text | | 157 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 157 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 157 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 157 |
| | Rebates <Rbts> | [0..1] | | | 157 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 158 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 158 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 158 |
| | SaleItem <Saleitm> | [1..1] | ± | | 158 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 159 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 159 |
| | ReversalResponse <RvslRspn> | [0..1] | | | 160 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 160 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 161 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 161 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 161 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 161 |
| | ReversalTransactionResult <RvslTxRslt> | [1..1] | | | 161 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 162 |
| | OriginalPaymentTransaction <OrgnPmtTx> | [0..1] | ± | | 162 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 167 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 167 |
| | Receipt <Rct> | [0..*] | ± | | 167 |
| | BalanceInquiryResponse <BalNqryRspn> | [0..1] | | | 168 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 169 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 169 |
| | PaymentAccount <PmtAcct> | [0..1] | | | 169 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 169 |
| | CurrentBalance <CurBal> | [0..1] | Amount | | 170 |
| | PaymentAcquirerData <PmtAcqrrData> | [0..1] | ± | | 170 |
| | LoyaltyAccount <LityAcct> | [0..1] | ± | | 170 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 170 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 171 |

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

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

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 197 |
| | PaymentResult <PmtRslt> | [0..1] | ± | | 197 |
| | LoyaltyResult <LltyRslt> | [0..*] | | | 200 |
| | Account <Acct> | [1..1] | ± | | 201 |
| | Amount <Amt> | [0..1] | | | 202 |
| | Unit <Unit> | [0..1] | CodeSet | | 202 |
| | Currency <Ccyp> | [0..1] | CodeSet | C1 | 202 |
| | Amount <Amt> | [1..1] | Amount | | 202 |
| | ServerData <SrvData> | [0..1] | | | 202 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 203 |
| | ApprovalCode <ApprvICd> | [0..1] | Text | | 203 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 203 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 203 |
| | Rebates <Rbts> | [0..1] | | | 203 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 204 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 204 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 204 |
| | SaleItem <Saleitm> | [1..1] | ± | | 204 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 205 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 205 |
| | CardAcquisitionResponse <CardAcqstnRspn> | [0..1] | | | 205 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 206 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 206 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 206 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 206 |
| | LoyaltyAccount <LltyAcct> | [0..*] | ± | | 207 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 207 |
| | Response <Rspn> | [1..1] | ± | | 208 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 208 |
| | SecurityTrailer <ScyTrlr> | [0..1] | ± | | 209 |

3.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 CurrencyAmount

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

Note: The decimal separator is a dot.

C5 IBAN

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

C6 SupplementaryDataRule

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

C7 ValidationByTable

Must be a valid terrestrial language.

3.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

3.4.1 Header <Hdr>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 132 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 133 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 133 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 133 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 133 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 134 |
| | Traceability <Tracblt> | [0..*] | ± | | 135 |

3.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: ["RetailerMessage1Code" on page 1062](#)

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

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

3.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

3.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

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

3.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: ["ISODateTime" on page 1081](#)

3.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

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

3.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

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

3.4.1.7 Traceability <TracBlt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <TracBlt> contains the following elements (see "Traceability8" on page 931 for details)

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

3.4.2 ServiceResponse <SvcRspn>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Environment <Envrt> | [1..1] | ± | | 140 |
| | Context <Cntxt> | [1..1] | ± | | 146 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 149 |
| | PaymentResponse <PmtRspn> | [0..1] | | | 149 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 150 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 151 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 151 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 151 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 151 |
| | RetailerPaymentResult <RtlrPmtRsIt> | [1..1] | ± | | 151 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 154 |
| | LoyaltyResult <LltyRsIt> | [0..*] | | | 154 |
| | Account <Acct> | [1..1] | ± | | 155 |
| | Amount <Amt> | [0..1] | | | 156 |
| | Unit <Unit> | [0..1] | CodeSet | | 156 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 156 |
| | Amount <Amt> | [1..1] | Amount | | 156 |
| | ServerData <SvrData> | [0..1] | | | 156 |
| | LoyaltyServerIdentification <LltySvrld> | [0..1] | Text | | 157 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 157 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 157 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 157 |
| | Rebates <Rbts> | [0..1] | | | 157 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 158 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 158 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 158 |
| | SaleItem <Saleitm> | [1..1] | ± | | 158 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 159 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 159 |
| | ReversalResponse <RvslRspn> | [0..1] | | | 160 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 160 |

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

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

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

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

3.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

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

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

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

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

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

3.4.2.2 Context <Cntxt>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtdOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

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

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

3.4.2.3 ServiceContent <SvcCntr>

Presence: [1..1]

Definition: Define the type of service response.

Datatype: ["RetailerService3Code" on page 1068](#)

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

3.4.2.4 PaymentResponse <PmtRspn>

Presence: [0..1]

Definition: Data to respond to a Payment request.

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

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

3.4.2.4.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

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

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

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

3.4.2.4.2 SaleReferencelidentification <SaleRefId>

Presence: [0..1]

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

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

3.4.2.4.3 POITransactionIdentification <POITxId>

Presence: [1..1]

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

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

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

3.4.2.4.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

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

3.4.2.4.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

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

3.4.2.4.6 RetailerPaymentResult <RtlrPmtRslt>

Presence: [1..1]

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

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

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

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

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

3.4.2.4.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

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

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

3.4.2.4.8 LoyaltyResult <LltyRslt>

Presence: [0..*]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 155 |
| | Amount <Amt> | [0..1] | | | 156 |
| | Unit <Unit> | [0..1] | CodeSet | | 156 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 156 |
| | Amount <Amt> | [1..1] | Amount | | 156 |
| | ServerData <SrvData> | [0..1] | | | 156 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 157 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 157 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 157 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 157 |
| | Rebates <Rbts> | [0..1] | | | 157 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 158 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 158 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 158 |
| | SaleItem <SaleItm> | [1..1] | ± | | 158 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 159 |

3.4.2.4.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

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

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

3.4.2.4.8.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 156 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 156 |
| | Amount <Amt> | [1..1] | Amount | | 156 |

3.4.2.4.8.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

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

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

3.4.2.4.8.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

3.4.2.4.8.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

3.4.2.4.8.3 ServerData <SrvData>

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 <LLtSvrlId> | [0..1] | Text | | 157 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 157 |
| | LoyaltyTransactionIdentification <LLtTxId> | [0..1] | ± | | 157 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 157 |

3.4.2.4.8.3.1 LoyaltyServerIdentification <LLtSvrlId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

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

3.4.2.4.8.3.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

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

Datatype: ["Min6Max8Text" on page 1091](#)

3.4.2.4.8.3.3 LoyaltyTransactionIdentification <LLtTxId>

Presence: [0..1]

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

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

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

3.4.2.4.8.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

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

3.4.2.4.8.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 158 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 158 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 158 |
| | SaleItem <Saleitm> | [1..1] | ± | | 158 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 159 |

3.4.2.4.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

3.4.2.4.8.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

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

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

3.4.2.4.8.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|------|-------------|------|
| | SaleItem <Saleitm> | [1..1] | ± | | 158 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 159 |

3.4.2.4.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

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

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

3.4.2.4.8.4.3.2 RebateLabel <RbtLabl>

Presence: [0..1]

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

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

3.4.2.4.9 CustomerOrder <CstmrOrdr>

Presence: [0..*]

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

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

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

3.4.2.5 ReversalResponse <RvsIRspn>

Presence: [0..1]

Definition: Response Data to a Reversal request.

ReversalResponse <RvsIRspn> contains the following ReversalResponse8 elements

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

3.4.2.5.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

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

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

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

3.4.2.5.2 SaleReferencelIdentification <SaleRefId>

Presence: [0..1]

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

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

3.4.2.5.3 POITransactionIdentification <POITxId>

Presence: [1..1]

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

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

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

3.4.2.5.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

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

3.4.2.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

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

3.4.2.5.6 ReversalTransactionResult <RvsITxRsIt>

Presence: [1..1]

Definition: Result of reversal transaction.

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

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

3.4.2.5.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

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

3.4.2.5.6.2 OriginalPaymentTransaction <OrgnlPmtTx>

Presence: [0..1]

Definition: Original Transaction if any linked to this reversal.

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

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

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

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

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

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

3.4.2.5.6.3 CustomerOrder <CstmrOrdr>

Presence: [0..*]

Definition: Updated Customer order list after reversal.

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

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

3.4.2.5.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

3.4.2.5.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

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

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

3.4.2.6 BalanceInquiryResponse <BalNqryRspn>

Presence: [0..1]

Definition: Response data to a balance inquiry service request.

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

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

3.4.2.6.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

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

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

3.4.2.6.2 POITransactionIdentification <POITxId>

Presence: [0..1]

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

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

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

3.4.2.6.3 PaymentAccount <PmtAcct>

Presence: [0..1]

Definition: Payment account information.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 169 |
| | CurrentBalance <CurBal> | [0..1] | Amount | | 170 |
| | PaymentAcquirerData <PmtAcqrrData> | [0..1] | ± | | 170 |

3.4.2.6.3.1 Currency <Ccy>

Presence: [0..1]

Definition: Currency of a Payment Account.

Impacted by: C1 "ActiveCurrency"

Datatype: "[ActiveCurrencyCode](#)" on page 1017

Constraints

- **ActiveCurrency**

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

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

3.4.2.6.3.2 CurrentBalance <CurBal>

Presence: [0..1]

Definition: Balance of a Payment Account

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

3.4.2.6.3.3 PaymentAcquirerData <PmtAcqrrData>

Presence: [0..1]

Definition: Detail of Acquirer.

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

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

3.4.2.6.4 LoyaltyAccount <LLtyAcct>

Presence: [0..1]

Definition: Loyalty account information.

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

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

3.4.2.6.5 StoredValueAccount <StordValAcct>

Presence: [0..*]

Definition: Stored value account information.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AccountType <AcctTp> | [0..1] | CodeSet | | 171 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 172 |
| | Identification <Id> | [0..1] | Text | | 172 |
| | Brand <Brnd> | [0..1] | Text | | 172 |
| | Provider <Prvdr> | [0..1] | Text | | 172 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 172 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 173 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 173 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 173 |
| | Balance <Bal> | [0..1] | Amount | | 174 |

3.4.2.6.5.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: ["StoredValueAccountType1Code" on page 1073](#)

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

| CodeName | Name | Definition |
|----------|--------------|--|
| CARD | SmartCardTag | Stored value account hold on the chip of a smart card. |
| TRVL | Travel | Travel prepaid account. |

3.4.2.6.5.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 1034

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

3.4.2.6.5.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 1088

3.4.2.6.5.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

3.4.2.6.5.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

3.4.2.6.5.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

3.4.2.6.5.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: ["Max10Text" on page 1086](#)

3.4.2.6.5.8 EntryMode <NtryMd>

Presence: [0..1]

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

Datatype: ["CardDataReading8Code" on page 1033](#)

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

3.4.2.6.5.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

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

3.4.2.6.5.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

3.4.2.6.6 Receipt <Rct>

Presence: [0..*]

Definition: Receipt to print after a balance inquiry.

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

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

3.4.2.7 LoyaltyResponse <LltyRspn>

Presence: [0..1]

Definition: Response data to a loyalty service request.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 175 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 175 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 176 |
| | Result <Rs/t> | [0..*] | | | 176 |
| | Account <Acct> | [1..1] | ± | | 177 |
| | Amount <Amt> | [0..1] | | | 177 |
| | Unit <Unit> | [0..1] | CodeSet | | 177 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 177 |
| | Amount <Amt> | [1..1] | Amount | | 178 |
| | ServerData <SvrData> | [0..1] | | | 178 |
| | LoyaltyServerIdentification <LltySvrld> | [0..1] | Text | | 178 |
| | ApprovalCode <ApprvCd> | [0..1] | Text | | 178 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 178 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 179 |
| | Rebates <Rbts> | [0..1] | | | 179 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 179 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 179 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 179 |
| | SaleItem <SaleItm> | [1..1] | ± | | 180 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 180 |

3.4.2.7.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

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

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

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

3.4.2.7.2 POITransactionIdentification <POITxId>

Presence: [1..1]

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

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

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

3.4.2.7.3 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

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

3.4.2.7.4 Result <RsIt>

Presence: [0..*]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 177 |
| | Amount <Amt> | [0..1] | | | 177 |
| | Unit <Unit> | [0..1] | CodeSet | | 177 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 177 |
| | Amount <Amt> | [1..1] | Amount | | 178 |
| | ServerData <SvrData> | [0..1] | | | 178 |
| | LoyaltyServerIdentification <LLtySvrlId> | [0..1] | Text | | 178 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 178 |
| | LoyaltyTransactionIdentification <LLtyTxId> | [0..1] | ± | | 178 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 179 |
| | Rebates <Rbts> | [0..1] | | | 179 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 179 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 179 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 179 |
| | SaleItem <Saleitm> | [1..1] | ± | | 180 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 180 |

3.4.2.7.4.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

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

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

3.4.2.7.4.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 177 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 177 |
| | Amount <Amt> | [1..1] | Amount | | 178 |

3.4.2.7.4.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

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

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

3.4.2.7.4.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

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

3.4.2.7.4.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

3.4.2.7.4.3 ServerData <SrvData>

Presence: [0..1]

Definition: Data sent by the Loyalty server.

ServerData <SrvData> contains the following LoyaltyServerData1 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|------|-------------|------|
| | LoyaltyServerIdentification <LLtysvrlId> | [0..1] | Text | | 178 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 178 |
| | LoyaltyTransactionIdentification <LLityTxId> | [0..1] | ± | | 178 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 179 |

3.4.2.7.4.3.1 LoyaltyServerIdentification <LLtysvrlId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: "Max35Text" on page 1088

3.4.2.7.4.3.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

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

Datatype: "Min6Max8Text" on page 1091

3.4.2.7.4.3.3 LoyaltyTransactionIdentification <LLityTxId>

Presence: [0..1]

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

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

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

3.4.2.7.4.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

3.4.2.7.4.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 179 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 179 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 179 |
| | SaleItem <Saleitm> | [1..1] | ± | | 180 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 180 |

3.4.2.7.4.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: "ImpliedCurrencyAndAmount" on page 1013

3.4.2.7.4.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

3.4.2.7.4.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|------|-------------|------|
| | SaleItem <SaleItm> | [1..1] | ± | | 180 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 180 |

3.4.2.7.4.4.3.1 SaleItem <SaleItm>

Presence: [1..1]

Definition: Data of the Sale item.

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

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

3.4.2.7.4.4.3.2 RebateLabel <RbtLabl>

Presence: [0..1]

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

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

3.4.2.8 StoredValueResponse <StordValRspn>

Presence: [0..1]

Definition: Response data to a Stored Value request.

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

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

3.4.2.8.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

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

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

3.4.2.8.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

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

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

3.4.2.8.3 Result <RsIt>

Presence: [0..*]

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

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

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

3.4.2.8.3.1 Provider <Prvdr>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

3.4.2.8.3.2 TransactionType <TxTp>

Presence: [1..1]

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

Datatype: "StoredValueTransactionType3Code" on page 1073

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

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

3.4.2.8.3.3 AccountIdentification <AcctId>

Presence: [0..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AccountType <AcctTp> | [0..1] | CodeSet | | 184 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 185 |
| | Identification <Id> | [0..1] | Text | | 185 |
| | Brand <Brnd> | [0..1] | Text | | 186 |
| | Provider <Prvdr> | [0..1] | Text | | 186 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 186 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 186 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 186 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 187 |
| | Balance <Bal> | [0..1] | Amount | | 187 |

3.4.2.8.3.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

| CodeName | Name | Definition |
|----------|--------------------|--|
| BNKA | BankPrepaidAccount | Prepaid account managed by a financial institution for low income customers. |
| CWVC | CarwashVoucher | Car wash specific account. |

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

3.4.2.8.3.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: ["CardIdentificationType1Code" on page 1034](#)

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

3.4.2.8.3.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 1088

3.4.2.8.3.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

3.4.2.8.3.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

3.4.2.8.3.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

3.4.2.8.3.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

3.4.2.8.3.3.8 EntryMode <NtryMd>

Presence: [0..1]

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

Datatype: "CardDataReading8Code" on page 1033

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

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

3.4.2.8.3.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

3.4.2.8.3.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

3.4.2.8.3.4 OriginalPOITransaction <OrgnIPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

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

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

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

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

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

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

3.4.2.8.3.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

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

3.4.2.8.3.6 EANUPC <EANUPC>

Presence: [0..1]

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

Datatype: ["Max35NumericText" on page 1088](#)

3.4.2.8.3.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

3.4.2.8.3.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the monetary amount.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

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

3.4.2.8.3.9 HostTransactionIdentification <HstTxId>

Presence: [0..1]

Definition: Identification of the transaction by the host in charge of the stored value transaction.

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

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

3.4.2.8.4 Receipt <Rct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

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

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

3.4.2.9 BatchResponse <BtchRspn>

Presence: [0..1]

Definition: Content of the Batch Response message.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | SaleBatchIdentification <SaleBtchId> | [0..1] | ± | | 194 |
| | POIBatchIdentification <POIBtchId> | [0..1] | ± | | 195 |
| | PerformedTransaction <PrfrmtdTx> | [0..*] | | | 195 |
| | Response <Rspn> | [1..1] | ± | | 196 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 197 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 197 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 197 |
| | PaymentResult <PmtRslt> | [0..1] | ± | | 197 |
| | LoyaltyResult <LityRslt> | [0..*] | | | 200 |
| | Account <Acct> | [1..1] | ± | | 201 |
| | Amount <Amt> | [0..1] | | | 202 |
| | Unit <Unit> | [0..1] | CodeSet | | 202 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 202 |
| | Amount <Amt> | [1..1] | Amount | | 202 |
| | ServerData <SvrData> | [0..1] | | | 202 |
| | LoyaltyServerIdentification <LitySvrlId> | [0..1] | Text | | 203 |
| | ApprovalCode <ApprvICd> | [0..1] | Text | | 203 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 203 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 203 |
| | Rebates <Rbts> | [0..1] | | | 203 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 204 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 204 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 204 |
| | SaleItem <Saleitm> | [1..1] | ± | | 204 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 205 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 205 |

3.4.2.9.1 SaleBatchIdentification <SaleBtchId>

Presence: [0..1]

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

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

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

3.4.2.9.2 POIBatchIdentification <POIBtchId>

Presence: [0..1]

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

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

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

3.4.2.9.3 PerformedTransaction <PrfrmrdTx>

Presence: [0..*]

Definition: Performed transaction content.

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

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

3.4.2.9.3.1 Response <Rspn>

Presence: [1..1]

Definition: Response for this performed transaction.

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

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

3.4.2.9.3.2 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Unique identification of a sale transaction.

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

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

3.4.2.9.3.3 POITransactionIdentification <POITxId>

Presence: [0..1]

Definition: Unique identification of a POI transaction.

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

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

3.4.2.9.3.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Identification of the POI reconciliation period.

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

3.4.2.9.3.5 PaymentResult <PmtRslt>

Presence: [0..1]

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

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

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

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

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

3.4.2.9.3.6 LoyaltyResult <LityRslt>

Presence: [0..*]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 201 |
| | Amount <Amt> | [0..1] | | | 202 |
| | Unit <Unit> | [0..1] | CodeSet | | 202 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 202 |
| | Amount <Amt> | [1..1] | Amount | | 202 |
| | ServerData <SrvData> | [0..1] | | | 202 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 203 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 203 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 203 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 203 |
| | Rebates <Rbts> | [0..1] | | | 203 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 204 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 204 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 204 |
| | SaleItem <SaleItm> | [1..1] | ± | | 204 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 205 |

3.4.2.9.3.6.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

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

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

3.4.2.9.3.6.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 202 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 202 |
| | Amount <Amt> | [1..1] | Amount | | 202 |

3.4.2.9.3.6.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

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

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

3.4.2.9.3.6.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

3.4.2.9.3.6.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

3.4.2.9.3.6.3 ServerData <SrvData>

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 <LLtSvrlId> | [0..1] | Text | | 203 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 203 |
| | LoyaltyTransactionIdentification <LLtTxId> | [0..1] | ± | | 203 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 203 |

3.4.2.9.3.6.3.1 LoyaltyServerIdentification <LLtSvrlId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

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

3.4.2.9.3.6.3.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

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

Datatype: ["Min6Max8Text" on page 1091](#)

3.4.2.9.3.6.3.3 LoyaltyTransactionIdentification <LLtTxId>

Presence: [0..1]

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

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

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

3.4.2.9.3.6.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

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

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

3.4.2.9.3.6.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 204 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 204 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 204 |
| | SaleItem <Saleitm> | [1..1] | ± | | 204 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 205 |

3.4.2.9.3.6.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

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

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

3.4.2.9.3.6.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

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

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

3.4.2.9.3.6.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|------|-------------|------|
| | SaleItem <Saleitm> | [1..1] | ± | | 204 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 205 |

3.4.2.9.3.6.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

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

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

3.4.2.9.3.6.4.3.2 RebateLabel <RbtLabl>

Presence: [0..1]

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

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

3.4.2.9.3.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount of the payment or loyalty to reverse.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

3.4.2.10 CardAcquisitionResponse <CardAcqstnRspn>

Presence: [0..1]

Definition: Content of the Card Acquisition Response message.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 206 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 206 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 206 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 206 |
| | LoyaltyAccount <LltyAcct> | [0..*] | ± | | 207 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 207 |

3.4.2.10.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

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

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

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

3.4.2.10.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

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

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

3.4.2.10.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

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

3.4.2.10.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

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

Datatype: ["LanguageCode" on page 1048](#)

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

3.4.2.10.5 LoyaltyAccount <LltyAcct>

Presence: [0..*]

Definition: Loyalty account information.

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

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

3.4.2.10.6 CustomerOrder <CstmrOrdr>

Presence: [0..*]

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

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

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

3.4.2.11 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

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

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

3.4.2.12 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: C6 "SupplementaryDataRule"

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

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

Constraints

- **SupplementaryDataRule**

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

3.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

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

4 **casp.003.001.06** **SaleToPOIRreconciliationRequestV06**

4.1 **MessageDefinition Functionality**

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

Outline

The SaleToPOIRreconciliationRequestV06 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 |
|----|--|--------|----------|-------------|------|
| | <i>Message root <Document> <SaleToPOIRcncltnReq></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 212 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 212 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 213 | |
| | ExchangelIdentification <XchgId> | [1..1] | Text | 213 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 213 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 214 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 214 | |
| | Traceability <Tracblt> | [0..*] | ± | 215 | |
| | ReconciliationRequest <RcncltnReq> | [1..1] | | 215 | |
| | Environment <Envrt> | [1..1] | ± | 216 | |
| | Context <Cntxt> | [1..1] | ± | 222 | |
| | ReconciliationrequestData <RcncltnReqData> | [1..1] | | 225 | |
| | ReconciliationType <RcncltnTp> | [1..1] | CodeSet | 225 | |
| | AcquirerIdentification <AcqrrId> | [0..1] | Text | 225 | |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | 225 | |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 226 |
| | SecurityTrailer <ScyTrlr> | [0..1] | ± | | 226 |

4.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

4.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

4.4.1 Header <Hdr>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 212 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 213 |
| | ExchangIdentification <XchgId> | [1..1] | Text | | 213 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 213 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 214 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 214 |
| | Traceability <Tracblt> | [0..*] | ± | | 215 |

4.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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

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

4.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

4.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

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

4.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

4.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

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

4.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

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

4.4.1.7 Traceability <TracBlt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <TracBlt> contains the following elements (see "Traceability8" on page 931 for details)

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

4.4.2 ReconciliationRequest <RcncltnReq>

Presence: [1..1]

Definition: Information related to the reconciliation request.

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

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

4.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

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

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

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

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

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

4.4.2.2 Context <Cntxt>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvnt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtedOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

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

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

4.4.2.3 ReconciliationRequestData <RcncltnReqData>

Presence: [1..1]

Definition: Content of the Reconciliation Request message.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | ReconciliationType <RcncltnTp> | [1..1] | CodeSet | | 225 |
| | AcquirerIdentification <AcqrrId> | [0..1] | Text | | 225 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 225 |

4.4.2.3.1 ReconciliationType <RcncltnTp>

Presence: [1..1]

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

Datatype: "[ReconciliationType1Code](#)" on page 1060

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

4.4.2.3.2 AcquirerIdentification <AcqrrId>

Presence: [0..1]

Definition: Identification of the Acquirer.

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

4.4.2.3.3 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

4.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..]*

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

Impacted by: C5 "SupplementaryDataRule"

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

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

Constraints

- **SupplementaryDataRule**

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

4.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

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

5 casp.004.001.06 SaleToPOIRreconciliationResponseV06

5.1 MessageDefinition Functionality

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

Outline

The SaleToPOIRreconciliationResponseV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. ReconciliationResponse

Information related to the response of a reconciliation request.

C. SecurityTrailer

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

5.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | Message root <Document> <SaleToPOIRcncltnRspn> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 230 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 230 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 231 | |
| | ExchangelIdentification <XchgId> | [1..1] | Text | 231 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 232 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 232 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 232 | |
| | Traceability <Tracblt> | [0..*] | ± | 233 | |
| | ReconciliationResponse <RcncltnRspn> | [1..1] | | 233 | |
| | Environment <Envrt> | [1..1] | ± | 235 | |
| | Context <Cntxt> | [1..1] | ± | 241 | |
| | ReconciliationresponseData <RcncltnRspnData> | [1..1] | | 244 | |
| | ReconciliationType <RcncltnTp> | [1..1] | CodeSet | 246 | |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | 246 | |
| | TransactionTotals <TxTtlS> | [0..*] | | 246 | |
| | PaymentInstrumentType <PmtlnstrmTp> | [1..1] | CodeSet | 248 | |
| | AcquirerIdentification <AcqrrId> | [0..1] | Text | 248 | |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | 248 | |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | 248 | |
| | Brand <Brnd> | [0..1] | Text | 248 | |
| | POIIdentification <POIId> | [0..1] | Text | 248 | |
| | SaleIdentification <SaleId> | [0..1] | Text | 249 | |
| | CashierIdentification <CshrlId> | [0..1] | Text | 249 | |
| | ShiftNumber <ShftNb> | [0..1] | Text | 249 | |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | 249 | |
| | CommonName <CmonNm> | [1..1] | Text | 249 | |
| | Address <Adr> | [0..1] | Text | 249 | |
| | CountryCode <CtryCd> | [1..1] | CodeSet | 249 | |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | 250 | |

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

5.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

5.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

5.4.1 Header <Hdr>

Presence: [1..1]

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

Header <Hdr> contains the following Header41 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 230 |
| | ProtocolVersion <Prtcl/Vrsn> | [1..1] | Text | | 231 |
| | Exchangeldentification <XchgId> | [1..1] | Text | | 231 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 232 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 232 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 232 |
| | Traceability <Tracblt> | [0..*] | ± | | 233 |

5.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

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

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

5.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

5.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

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

5.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

5.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

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

5.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

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

5.4.1.7 Traceability <TracBlt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <TracBlt> contains the following elements (see "Traceability8" on page 931 for details)

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

5.4.2 ReconciliationResponse <RcncltnRspn>

Presence: [1..1]

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

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

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

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

5.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

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

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

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

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

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

5.4.2.2 Context <Cntxt>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnDncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnDntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnDntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtedOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

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

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

5.4.2.3 ReconciliationresponseData <RcncltnRspnData>

Presence: [1..1]

Definition: Content of the Reconciliation Response message.

ReconciliationResponseData <RcncltnRspnData> contains the following
ReconciliationResponseData1 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | ReconciliationType <RcncltnTp> | [1..1] | CodeSet | | 246 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 246 |
| | TransactionTotals <TxTtls> | [0..*] | | | 246 |
| | PaymentInstrumentType <PmtlnstrmTp> | [1..1] | CodeSet | | 248 |
| | AcquirerIdentification <AcqrrId> | [0..1] | Text | | 248 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 248 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 248 |
| | Brand <Brnd> | [0..1] | Text | | 248 |
| | POIIdentification <POIId> | [0..1] | Text | | 248 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 249 |
| | CashierIdentification <CshrlId> | [0..1] | Text | | 249 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 249 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 249 |
| | CommonName <CmonNm> | [1..1] | Text | | 249 |
| | Address <Adr> | [0..1] | Text | | 249 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 249 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 250 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 250 |
| | TransactionTotal <TxTtl> | [1..1] | | | 250 |
| | POIGroupIdentification <POIGrpld> | [0..1] | Text | | 250 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 250 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 250 |
| | Type <Tp> | [1..1] | CodeSet | | 251 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 251 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 251 |
| | DetailedAmount <DtlcdAmt> | [0..1] | ± | | 251 |
| | LoyaltyTransactionTotal <LityTxTtl> | [0..*] | | | 252 |
| | POIGroupIdentification <POIGrpld> | [0..1] | Text | | 252 |
| | LoyaltyUnit <LityUnit> | [0..1] | CodeSet | | 252 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 253 |

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

5.4.2.3.1 ReconciliationType <RcncltnTp>

Presence: [1..1]

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

Datatype: "ReconciliationType1Code" on page 1060

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

5.4.2.3.2 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

5.4.2.3.3 TransactionTotals <TxTtls>

Presence: [0..*]

Definition: Result of the Sale to POI Reconciliation processing.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | PaymentInstrumentType <PmtnstrmTp> | [1..1] | CodeSet | | 248 |
| | AcquirerIdentification <AcqrrId> | [0..1] | Text | | 248 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 248 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 248 |
| | Brand <Brnd> | [0..1] | Text | | 248 |
| | POIIdentification <POIId> | [0..1] | Text | | 248 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 249 |
| | CashierIdentification <CshrlId> | [0..1] | Text | | 249 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 249 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 249 |
| | CommonName <CmonNm> | [1..1] | Text | | 249 |
| | Address <Adr> | [0..1] | Text | | 249 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 249 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 250 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 250 |
| | TransactionTotal <TxTtl> | [1..1] | | | 250 |
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 250 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 250 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 250 |
| | Type <Tp> | [1..1] | CodeSet | | 251 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 251 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 251 |
| | DetailedAmount <DtlAmt> | [0..1] | ± | | 251 |
| | LoyaltyTransactionTotal <LityTxTtl> | [0..*] | | | 252 |
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 252 |
| | LoyaltyUnit <LityUnit> | [0..1] | CodeSet | | 252 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 253 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 253 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 253 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 253 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 254 |

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

5.4.2.3.3.1 PaymentInstrumentType <PmtInstrmTp>

Presence: [1..1]

Definition: Type of payment instrument.

Datatype: "PaymentInstrumentType1Code" on page 1055

| CodeName | Name | Definition |
|----------|--------------------|--|
| CARD | Card | Payment card (credit or debit). |
| CASH | Cash | Cash managed by a cash handling system. |
| CHCK | Check | Paper check. |
| LOYT | LoyaltyAccount | Account using loyalty processing. |
| SVAC | StoredValueAccount | Account accessed by a stored value instrument such as a card or a certificate. |

5.4.2.3.3.2 AcquirerIdentification <AcqrrId>

Presence: [0..1]

Definition: Identification of an Acquirer.

Datatype: "Max35Text" on page 1088

5.4.2.3.3.3 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

5.4.2.3.3.4 SaleReconciliationIdentification <SaleRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

5.4.2.3.3.5 Brand <Brnd>

Presence: [0..1]

Definition: Brand of payment card or loyalty system.

Datatype: "Max35Text" on page 1088

5.4.2.3.3.6 POIIdentification <POIId>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 1088

5.4.2.3.3.7 SaleIdentification <SaleId>*Presence:* [0..1]*Definition:* Identification of the sale terminal (electronic cash register or point of sale terminal) or the sale system.*Datatype:* "Max35Text" on page 1088**5.4.2.3.3.8 CashierIdentification <Cshrld>***Presence:* [0..1]*Definition:* Identification of the cashier who carried out the transactions.*Datatype:* "Max35Text" on page 1088**5.4.2.3.3.9 ShiftNumber <ShftNb>***Presence:* [0..1]*Definition:* Identifies the shift of the cashier.*Datatype:* "Max2NumericText" on page 1087**5.4.2.3.3.10 SponsoredMerchant <SpnsrdMrchnt>***Presence:* [0..*]*Definition:* Merchant using the payment services of a payment facilitator, acting as a card acceptor.**SponsoredMerchant <SpnsrdMrchnt>** contains the following **Organisation26** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | CommonName <CmonNm> | [1..1] | Text | | 249 |
| | Address <Adr> | [0..1] | Text | | 249 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 249 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 250 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 250 |

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

Datatype: "ISO3NumericCountryCode" on page 1047

5.4.2.3.3.10.4 MerchantCategoryCode <MrchntCtgyCd>

Presence: [1..1]

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

Datatype: "Min3Max4Text" on page 1091

5.4.2.3.3.10.5 RegisteredIdentifier <RegdIdr>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1088

5.4.2.3.3.11 TransactionTotal <TxTtl>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 250 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 250 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 250 |
| | Type <Tp> | [1..1] | CodeSet | | 251 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 251 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 251 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 251 |

5.4.2.3.3.11.1 POIGroupIdentification <POIGrpId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

5.4.2.3.3.11.2 CardProductProfile <CardPdctPrfl>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

5.4.2.3.3.11.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction totals.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

5.4.2.3.3.11.4 Type <Tp>

Presence: [1..1]

Definition: Identification of the type of transaction.

Datatype: ["TypeTransactionTotals3Code" on page 1078](#)

| CodeName | Name | Definition |
|----------|---------------|--|
| CRDT | Credit | Credit transactions (refund, account, cash service, as defined in the transaction service type). |
| CRDR | CreditReverse | Reversal of credit transactions (cancellation). |
| DEBT | Debit | Debit transactions on the cardholder account. |
| DBTR | DebitReverse | Reversal of debit transactions (cancellation). |
| DECL | Declined | Declined transactions. |
| FAIL | Failed | Failed transactions. |
| RESV | Reservation | Outstanding Reservation transactions. |

5.4.2.3.3.11.5 TotalNumber <TtINb>

Presence: [1..1]

Definition: Total number of transactions during a reconciliation period.

Datatype: ["Number" on page 1084](#)

5.4.2.3.3.11.6 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

5.4.2.3.3.11.7 DetailedAmount <DtldAmt>

Presence: [0..1]

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

DetailedAmount <DtIdAmt> contains the following elements (see "[DetailedAmount15](#)" on page 705 for details)

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

5.4.2.3.3.12 LoyaltyTransactionTotal <LLtyTxTtl>

Presence: [0..*]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|----------|-------------|------|
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 252 |
| | LoyaltyUnit <LLtyUnit> | [0..1] | CodeSet | | 252 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 253 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 253 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 253 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 253 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 254 |
| | DetailedAmount <DtIdAmt> | [0..1] | ± | | 254 |

5.4.2.3.3.12.1 POIGroupIdentification <POIGrpId>

Presence: [0..1]

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

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

5.4.2.3.3.12.2 LoyaltyUnit <LLtyUnit>

Presence: [0..1]

Definition: Unit of the amount, expressed in point or in a monetary value and a currency.

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

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

5.4.2.3.3.12.3 CardProductProfile <CardPdctPrfl>

Presence: [0..1]

Definition: Cards category related to the acceptance processing rules defined by the Loyalty provider.

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

5.4.2.3.3.12.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction totals.

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

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

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

5.4.2.3.3.12.5 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of Loyalty transaction for Report.

Datatype: ["LoyaltyTypeTransactionTotals1Code" on page 1050](#)

| CodeName | Name | Definition |
|----------|-------------------|--|
| AWRD | Award | Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates. |
| REBA | Rebate | Rebate on a total amount, sale item amount, or sale items. |
| REDE | Redemption | Redemption on a loyalty account. |
| AWRR | ReverseAward | Refund of a loyalty award transaction. |
| REBR | ReverseRebate | Refund of a loyalty rebate transaction. |
| REDR | ReverseRedemption | Refund of a loyalty redemption transaction. |

5.4.2.3.3.12.6 TotalNumber <TtlNb>

Presence: [1..1]

Definition: Total number of transactions during a reconciliation period.

Datatype: "Number" on page 1084

5.4.2.3.3.12.7 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

5.4.2.3.3.12.8 DetailedAmount <DtldAmt>

Presence: [0..1]

Definition: Detailed amounts associated with the total amount of transactions.

DetailedAmount <DtldAmt> contains the following elements (see "[DetailedAmount15](#)" on page 705 for details)

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

5.4.2.4 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

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

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

5.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..]*

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

Impacted by: C5 "SupplementaryDataRule"

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

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

Constraints

- **SupplementaryDataRule**

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

5.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

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

6 **casp.005.001.06**

SaleToPOISessionManagementRequestV06

6.1 MessageDefinition Functionality

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

Outline

The SaleToPOISessionManagementRequestV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. SessionManagementRequest

Information related to the session management request.

C. SecurityTrailer

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

6.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | <i>Message root <Document> <SaleToPOISsnMgmtReq></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 259 | |
| | MessageFunction <MsgFctr> | [1..1] | CodeSet | 259 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 260 | |
| | ExchangelIdentification <XchgId> | [1..1] | Text | 260 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 260 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 260 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 261 | |
| | Traceability <Tracblt> | [0..*] | ± | 262 | |
| | SessionManagementRequest <SsnMgmtReq> | [1..1] | | 262 | |
| | Environment <Envrt> | [1..1] | ± | 263 | |
| | Context <Cntxt> | [1..1] | ± | 270 | |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | 273 | |
| | LoginRequest <LgnReq> | [0..1] | | 273 | |
| | LoginDateTime <LgnDtTm> | [1..1] | DateTime | 274 | |
| | SaleSoftware <SaleSftwr> | [1..*] | ± | 274 | |
| | SaleTerminalData <SaleTermnlData> | [0..1] | | 276 | |
| | TerminalEnvironment <TermnlEnvrt> | [0..1] | CodeSet | 276 | |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | 277 | |
| | TrainingModeFlag <TrngMdFlg> | [0..1] | Indicator | 277 | |
| | CashierIdentification <CshrlId> | [0..1] | Text | 277 | |
| | CashierLanguage <CshrlLang> | [1..1] | CodeSet | C6 | 277 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 277 |
| | TokenRequestedType <TknReqdTp> | [0..1] | CodeSet | | 278 |
| | CustomerOrderRequest <CstmrOrdrReq> | [0..1] | CodeSet | | 278 |
| | POIIdentification <POIId> | [0..1] | | 278 | |
| | ItemNumber <ItmNb> | [0..1] | Text | | 278 |
| | ProviderIdentification <PrvdrId> | [0..1] | Text | | 279 |
| | Identification <Id> | [0..1] | Text | | 279 |
| | SerialNumber <SrlnNb> | [0..1] | Text | | 279 |

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

6.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

6.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

6.4.1 Header <Hdr>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 259 |
| | ProtocolVersion <PrtclVrsn> | [1..1] | Text | | 260 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 260 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 260 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 260 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 261 |
| | Traceability <Tracblt> | [0..*] | ± | | 262 |

6.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: ["RetailerMessage1Code" on page 1062](#)

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

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

6.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

6.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

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

6.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: ["ISODateTime" on page 1081](#)

6.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

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

6.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

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

6.4.1.7 Traceability <TracBlt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <TracBlt> contains the following elements (see "Traceability8" on page 931 for details)

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

6.4.2 SessionManagementRequest <SsnMgmtReq>

Presence: [1..1]

Definition: Information related to the session management request.

SessionManagementRequest <SsnMgmtReq> contains the following
SessionManagementRequest7 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Environment <Envrt> | [1..1] | ± | | 263 |
| | Context <Cntxt> | [1..1] | ± | | 270 |
| | ServiceContent <SvcCntrt> | [1..1] | CodeSet | | 273 |
| | LoginRequest <LgnReq> | [0..1] | | | 273 |
| | LoginDateTime <LgnDtTm> | [1..1] | DateTime | | 274 |
| | SaleSoftware <SaleSftwr> | [1..*] | ± | | 274 |
| | SaleTerminalData <SaleTermnlData> | [0..1] | | | 276 |
| | TerminalEnvironment <TermnlEnvrt> | [0..1] | CodeSet | | 276 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 277 |
| | TrainingModeFlag <TrngMdFlg> | [0..1] | Indicator | | 277 |
| | CashierIdentification <Cschrld> | [0..1] | Text | | 277 |
| | CashierLanguage <CschrLang> | [1..1] | CodeSet | C6 | 277 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 277 |
| | TokenRequestedType <TkndReqdTp> | [0..1] | CodeSet | | 278 |
| | CustomerOrderRequest <CstmrOrdrReq> | [0..1] | CodeSet | | 278 |
| | POIIdentification <POIId> | [0..1] | | | 278 |
| | ItemNumber <ItmNb> | [0..1] | Text | | 278 |
| | ProviderIdentification <PrvdrlId> | [0..1] | Text | | 279 |
| | Identification <Id> | [0..1] | Text | | 279 |
| | SerialNumber <SrllNb> | [0..1] | Text | | 279 |
| | TotalsGroupIdentification <TtlsGrpld> | [0..1] | Text | | 279 |
| | OutputDisplay <OutptDisp> | [0..1] | ± | | 279 |
| | LogoutRequest <LgtReq> | [0..1] | | | 280 |
| | MaintenanceAllowed <MntncAllwd> | [0..1] | Indicator | | 280 |
| | DiagnosisRequest <DgnssReq> | [0..1] | | | 280 |
| | HostDiagnosisFlag <HstDgnssFlg> | [0..1] | Indicator | | 281 |
| | AcquirerIdentification <AcqrrId> | [0..*] | Text | | 281 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 281 |

6.4.2.1 Environment <Envrt>

Presence: [1..1]

Definition: Environment of the transaction.

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

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

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

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

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

6.4.2.2 Context <Cntxt>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvnt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtedOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

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

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

6.4.2.3 ServiceContent <SvcCntr>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: ["RetailerService4Code" on page 1068](#)

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

6.4.2.4 LoginRequest <LgnReq>

Presence: [0..1]

Definition: Content of the Login Request message.

LoginRequest <LgnReq> contains the following **LoginRequest6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | LoginDateTime <LgnDtTm> | [1..1] | DateTime | | 274 |
| | SaleSoftware <SaleSftwr> | [1..*] | ± | | 274 |
| | SaleTerminalData <SaleTermnlData> | [0..1] | | | 276 |
| | TerminalEnvironment <TermnlEnvrt> | [0..1] | CodeSet | | 276 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 277 |
| | TrainingModeFlag <TrngMdFlg> | [0..1] | Indicator | | 277 |
| | CashierIdentification <CshrlId> | [0..1] | Text | | 277 |
| | CashierLanguage <CshrlLang> | [1..1] | CodeSet | C6 | 277 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 277 |
| | TokenRequestedType <TknrqdtTp> | [0..1] | CodeSet | | 278 |
| | CustomerOrderRequest <CstmrOrdrReq> | [0..1] | CodeSet | | 278 |
| | POIIdentification <POIId> | [0..1] | | | 278 |
| | ItemNumber <ItmNb> | [0..1] | Text | | 278 |
| | ProviderIdentification <PrvdrlId> | [0..1] | Text | | 279 |
| | Identification <Id> | [0..1] | Text | | 279 |
| | SerialNumber <SrlnNb> | [0..1] | Text | | 279 |
| | TotalsGroupIdentification <TotlsGrpld> | [0..1] | Text | | 279 |
| | OutputDisplay <OutptDisp> | [0..1] | ± | | 279 |

6.4.2.4.1 LoginDateTime <LgnDtTm>

Presence: [1..1]

Definition: Date and Time of Login.

Datatype: ["ISODateTime" on page 1081](#)

6.4.2.4.2 SaleSoftware <SaleSftwr>

Presence: [1..*]

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

SaleSoftware <SaleSftwr> contains the following elements (see "PointOfInteractionComponent15" on page 867 for details)

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | AccessCode <AccsCd> | [0..1] | Binary | | 879 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 879 |
| | AdditionalParameters <AddtlParams> | [0..1] | Binary | | 879 |
| | SecurityAccessModules <SctyAccsMdls> | [0..1] | Quantity | | 880 |
| | SubscriberIdentityModules <SbcbrldntyMdls> | [0..1] | Quantity | | 880 |
| | SecurityElement <SctyElmt> | [0..*] | ± | | 880 |
| | Assessment <Assmnt> | [0..*] | | | 881 |
| | Type <Tp> | [1..1] | CodeSet | | 882 |
| | Assigner <Assgnr> | [1..*] | Text | | 882 |
| | DeliveryDate <DlvryDt> | [0..1] | DateTime | | 882 |
| | ExpirationDate <XprtnDt> | [0..1] | DateTime | | 882 |
| | Number <Nb> | [1..1] | Text | | 882 |
| | Package <Packg> | [0..*] | | | 883 |
| | Packageldentification <PackglId> | [0..1] | ± | | 883 |
| | PackageLength <PackglLngh> | [0..1] | Quantity | | 883 |
| | OffsetStart <OffsetStart> | [0..1] | Quantity | | 883 |
| | OffsetEnd <OffsetEnd> | [0..1] | Quantity | | 884 |
| | PackageBlock <PackgBlck> | [0..*] | | | 884 |
| | Identification </d> | [1..1] | Text | | 884 |
| | Value <Val> | [0..1] | Binary | | 884 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 884 |
| | Type <Tp> | [0..1] | Text | | 885 |

6.4.2.4.3 SaleTerminalData <SaleTermnlData>

Presence: [0..1]

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

SaleTerminalData <SaleTermnlData> contains the following SaleTerminalData1 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | TerminalEnvironment <TermnlEnvt> | [0..1] | CodeSet | | 276 |
| | SaleReconciliationIdentification <SaleRcnclnId> | [0..1] | Text | | 277 |

6.4.2.4.3.1 TerminalEnvironment <TermnlEnvt>

Presence: [0..1]

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

Datatype: "AttendanceContext1Code" on page 1026

| CodeName | Name | Definition |
|----------|--------------|---|
| ATTD | Attended | Attended payment, with an attendant. |
| SATT | SemiAttended | Semi-attended, including self checkout. An attendant supervises several payment, and could be called to help the cardholder. |
| UATT | Unattended | Unattended payment, no attendant present. |

6.4.2.4.3.2 SaleReconciliationIdentification <SaleRcncltnId>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

6.4.2.4.4 TrainingModeFlag <TrngMdFlg>

Presence: [0..1]

Definition: Training mode.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1083):

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

6.4.2.4.5 CashierIdentification <CshrlId>

Presence: [0..1]

Definition: Identification of the cashier.

Datatype: "Max35Text" on page 1088

6.4.2.4.6 CashierLanguage <CshrlLang>

Presence: [1..1]

Definition: Language of the cashier.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

6.4.2.4.7 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Shift number of the cashier.

Datatype: "Max2NumericText" on page 1087

6.4.2.4.8 TokenRequestedType <TknReqdTp>

Presence: [0..1]

Definition: Type of token replacing the PAN of a payment card to identify the payment mean of the customer.

Datatype: "SaleTokenScope1Code" on page 1072

| CodeName | Name | Definition |
|----------|-------------|--|
| MULT | MultipleUse | The token is generated to recognise a customer for a longer period. |
| SNGL | SingleUse | The token is generated to recognise a customer during the lifetime of a transaction. |

6.4.2.4.9 CustomerOrderRequest <CstmrOrdrReq>

Presence: [0..1]

Definition: Type of customer orders that must be sent in response message.

Datatype: "CustomerOrderRequest1Code" on page 1040

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

6.4.2.4.10 POIIdentification <POIId>

Presence: [0..1]

Definition: POI Terminal identification.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|------|-------------|------|
| | ItemNumber <ItmNb> | [0..1] | Text | | 278 |
| | ProviderIdentification <PrvdrId> | [0..1] | Text | | 279 |
| | Identification </d> | [0..1] | Text | | 279 |
| | SerialNumber <SrlnNb> | [0..1] | Text | | 279 |

6.4.2.4.10.1 ItemNumber <ItmNb>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1088

6.4.2.4.10.2 ProviderIdentification <PrvdrId>

Presence: [0..1]

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

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

6.4.2.4.10.3 Identification <Id>

Presence: [0..1]

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

Datatype: ["Max256Text" on page 1087](#)

6.4.2.4.10.4 SerialNumber <SrINb>

Presence: [0..1]

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

Datatype: ["Max256Text" on page 1087](#)

6.4.2.4.11 TotalsGroupIdentification <TtlGrpId>

Presence: [0..1]

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

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

6.4.2.4.12 OutputDisplay <OutptDisp>

Presence: [0..1]

Definition: Message to be displayed.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrccd> | [0..1] | | | 865 |
| | BarcodeType <BrccdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrccdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

6.4.2.5 LogoutRequest <LgtReq>

Presence: [0..1]

Definition: Content of the Logout Request message.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MaintenanceAllowed <MntncAllwd> | [0..1] | Indicator | | 280 |

6.4.2.5.1 MaintenanceAllowed <MntncAllwd>

Presence: [0..1]

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

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

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

6.4.2.6 DiagnosisRequest <DgnssReq>

Presence: [0..1]

Definition: Content of the Diagnosis Request message.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | HostDiagnosisFlag <HstDgnssFlg> | [0..1] | Indicator | | 281 |
| | AcquirerIdentification <AcqrrId> | [0..*] | Text | | 281 |

6.4.2.6.1 HostDiagnosisFlag <HstDgnssFlg>

Presence: [0..1]

Definition: Indicates if Host Diagnosis are required.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

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

6.4.2.6.2 AcquirerIdentification <AcqrrId>

Presence: [0..*]

Definition: Identification of the Acquirers.

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

6.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: [C5 "SupplementaryDataRule"](#)

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

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

Constraints

- **SupplementaryDataRule**

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

6.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

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

7 **casp.006.001.06** **SaleToPOISessionManagementResponseV06**

7.1 **MessageDefinition Functionality**

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

Outline

The SaleToPOISessionManagementResponseV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. SessionManagementResponse

Information related to the response of a session management request.

C. SecurityTrailer

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

7.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | <i>Message root <Document> <SaleToPOISsnMgmtRspn></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | | 286 |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 286 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 287 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 287 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 287 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 287 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 288 |
| | Traceability <Tracblt> | [0..*] | ± | | 289 |
| | SessionManagementResponse <SsnMgmtRspn> | [1..1] | | | 289 |
| | Environment <Envrt> | [1..1] | ± | | 291 |
| | Context <Cntxt> | [1..1] | ± | | 297 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 300 |
| | LoginResponse <LgnRspn> | [0..1] | | | 300 |
| | POIDateTime <POIDtTm> | [1..1] | DateTime | | 300 |
| | POISoftware <POISftwr> | [1..*] | ± | | 300 |
| | POICapabilities <POICpblties> | [0..1] | ± | | 302 |
| | OutputDisplay <OutptDisp> | [0..1] | ± | | 303 |
| | DiagnosisResponse <DgnssRspn> | [0..1] | | | 304 |
| | LoggedSaleIdentification <LggdSaleId> | [0..*] | Text | | 305 |
| | POIStatus <POISts> | [0..1] | | | 305 |
| | POICapabilities <POICpblties> | [0..1] | ± | | 306 |
| | POIComponent <POICmpnt> | [0..*] | ± | | 307 |
| | POIGroupIdentification <POIGrpId> | [0..*] | Text | | 309 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 309 |
| | POIDateTime <POIDtTm> | [1..1] | DateTime | | 310 |
| | DataSetRequired <DataSetReqrd> | [0..*] | | | 310 |
| | Identification <Id> | [1..1] | ± | | 310 |
| | POIChallenge <POIChllng> | [0..1] | Binary | | 310 |
| | TMChallenge <TMChllng> | [0..1] | Binary | | 311 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | SessionKey <SsnKey> | [0..1] | ± | | 311 |
| | DelegationProof <DlgttnProof> | [0..1] | Binary | | 311 |
| | ProtectedDelegationProof <PrtctdDlgttnProof> | [0..1] | ± | | 312 |
| | Event <Evt> | [0..*] | ± | | 312 |
| | Errors <Errs> | [0..*] | Text | | 312 |
| | HostStatus <Hststs> | [0..*] | | | 312 |
| | AcquirerIdentification <AcqrrId> | [1..1] | Text | | 313 |
| | Reachable <Rchbl> | [0..1] | Indicator | | 313 |
| | Response <Rspn> | [1..1] | ± | | 313 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 313 |
| | SecurityTrailer <ScyTrlr> | [0..1] | ± | | 314 |

7.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

7.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

7.4.1 Header <Hdr>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 286 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 287 |
| | Exchangeldentification <XchgId> | [1..1] | Text | | 287 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 287 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 287 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 288 |
| | Traceability <Tracblt> | [0..*] | ± | | 289 |

7.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: ["RetailerMessage1Code" on page 1062](#)

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

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

7.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

7.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

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

7.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: ["ISODateTime" on page 1081](#)

7.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

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

7.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

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

7.4.1.7 Traceability <TracBlt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <TracBlt> contains the following elements (see "Traceability8" on page 931 for details)

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

7.4.2 SessionManagementResponse <SsnMgmtRspn>

Presence: [1..1]

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

SessionManagementResponse <SsnMgmtRspn> contains the following **SessionManagementResponse7** elements

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

7.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

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

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

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

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

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

7.4.2.2 Context <Cntxt>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnDncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnDntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnDntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtedOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

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

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

7.4.2.3 ServiceContent <SvcCntr>

Presence: [1..1]

Definition: Define the type of service answered.

Datatype: ["RetailerService5Code" on page 1069](#)

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

7.4.2.4 LoginResponse <LgnRspn>

Presence: [0..1]

Definition: Content of the Login Response message.

LoginResponse <LgnRspn> contains the following **LoginResponse6** elements

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

7.4.2.4.1 POIDateTime <POIDtTm>

Presence: [1..1]

Definition: Date and Time of POI Login.

Datatype: ["ISODateTime" on page 1081](#)

7.4.2.4.2 POISoftware <POISftwr>

Presence: [1..*]

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

POISoftware <POISftwr> contains the following elements (see "PointOfInteractionComponent15" on page 867 for details)

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | AccessCode <AccsCd> | [0..1] | Binary | | 879 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 879 |
| | AdditionalParameters <AddtlParams> | [0..1] | Binary | | 879 |
| | SecurityAccessModules <SctyAccsMdls> | [0..1] | Quantity | | 880 |
| | SubscriberIdentityModules <SbcbrldntyMdls> | [0..1] | Quantity | | 880 |
| | SecurityElement <SctyElmt> | [0..*] | ± | | 880 |
| | Assessment <Assmnt> | [0..*] | | | 881 |
| | Type <Tp> | [1..1] | CodeSet | | 882 |
| | Assigner <Assgnr> | [1..*] | Text | | 882 |
| | DeliveryDate <DlvryDt> | [0..1] | DateTime | | 882 |
| | ExpirationDate <XprtnDt> | [0..1] | DateTime | | 882 |
| | Number <Nb> | [1..1] | Text | | 882 |
| | Package <Packg> | [0..*] | | | 883 |
| | Packageldentification <PackglId> | [0..1] | ± | | 883 |
| | PackageLength <PackglLngh> | [0..1] | Quantity | | 883 |
| | OffsetStart <OffsetStart> | [0..1] | Quantity | | 883 |
| | OffsetEnd <OffsetEnd> | [0..1] | Quantity | | 884 |
| | PackageBlock <PackgBlck> | [0..*] | | | 884 |
| | Identification </d> | [1..1] | Text | | 884 |
| | Value <Val> | [0..1] | Binary | | 884 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 884 |
| | Type <Tp> | [0..1] | Text | | 885 |

7.4.2.4.3 POICapabilities <POICpbilities>

Presence: [0..1]

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

POICapabilities <POICpblties> contains the following elements (see "[PointOfInteractionCapabilities9](#)" on page 914 for details)

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

7.4.2.4.4 OutputDisplay <OutptDisp>

Presence: [0..1]

Definition: Message to be displayed.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrctd> | [0..1] | | | 865 |
| | BarcodeType <BrctdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrctdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

7.4.2.5 DiagnosisResponse <DgnssRspn>

Presence: [0..1]

Definition: Content of the Diagnosis Response message.

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

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

7.4.2.5.1 LoggedSaleIdentification <LggdSaleId>

Presence: [0..*]

Definition: Sale Terminal logged to.

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

7.4.2.5.2 POIStatus <POISts>

Presence: [0..1]

Definition: Status of the POI.

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

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

7.4.2.5.2.1 POICapabilities <POICpbilities>

Presence: [0..1]

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

POICapabilities <POICpblties> contains the following elements (see "[PointOfInteractionCapabilities9](#)" on page 914 for details)

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

7.4.2.5.2.2 POIComponent <POICmpnt>

Presence: [0..*]

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

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent15](#)" on page [867](#) for details)

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | AccessCode <AccsCd> | [0..1] | Binary | | 879 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 879 |
| | AdditionalParameters <AddtlParams> | [0..1] | Binary | | 879 |
| | SecurityAccessModules <SctyAccsMdls> | [0..1] | Quantity | | 880 |
| | SubscriberIdentityModules <SbcbrldntyMdls> | [0..1] | Quantity | | 880 |
| | SecurityElement <SctyElmt> | [0..*] | ± | | 880 |
| | Assessment <Assmnt> | [0..*] | | | 881 |
| | Type <Tp> | [1..1] | CodeSet | | 882 |
| | Assigner <Assgnr> | [1..*] | Text | | 882 |
| | DeliveryDate <DlvryDt> | [0..1] | DateTime | | 882 |
| | ExpirationDate <XprtnDt> | [0..1] | DateTime | | 882 |
| | Number <Nb> | [1..1] | Text | | 882 |
| | Package <Packg> | [0..*] | | | 883 |
| | Packageldentification <PackglId> | [0..1] | ± | | 883 |
| | PackageLength <PackglLngh> | [0..1] | Quantity | | 883 |
| | OffsetStart <OffsetStart> | [0..1] | Quantity | | 883 |
| | OffsetEnd <OffsetEnd> | [0..1] | Quantity | | 884 |
| | PackageBlock <PackgBlck> | [0..*] | | | 884 |
| | Identification </d> | [1..1] | Text | | 884 |
| | Value <Val> | [0..1] | Binary | | 884 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 884 |
| | Type <Tp> | [0..1] | Text | | 885 |

7.4.2.5.2.3 POIGroupIdentification <POIGrpId>

Presence: [0..*]

Definition: Identifier assigned to a set of POI terminals performing some categories of transactions.

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

7.4.2.5.2.4 AttendanceContext <AtndncCntxt>

Presence: [0..1]

Definition: Human attendance at the POI (Point Of Interaction) location during transactions.

Datatype: ["AttendanceContext1Code" on page 1026](#)

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

| CodeName | Name | Definition |
|----------|--------------|---|
| SATT | SemiAttended | Semi-attended, including self checkout. An attendant supervises several payment, and could be called to help the cardholder. |
| UATT | Unattended | Unattended payment, no attendant present. |

7.4.2.5.2.5 POIDateTime <POIDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1081

7.4.2.5.2.6 DataSetRequired <DataSetReqrd>

Presence: [0..*]

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

DataSetRequired <DataSetReqrd> contains the following **DataSetRequest5** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|--------|-------------|------|
| | Identification <Id> | [1..1] | ± | | 310 |
| | POIChallenge <POIChlng> | [0..1] | Binary | | 310 |
| | TMChallenge <TMChlng> | [0..1] | Binary | | 311 |
| | SessionKey <SsnKey> | [0..1] | ± | | 311 |
| | DelegationProof <DlgtnProof> | [0..1] | Binary | | 311 |
| | ProtectedDelegationProof <PrctdDlgtnProof> | [0..1] | ± | | 312 |

7.4.2.5.2.6.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the required data set.

Identification <Id> contains the following elements (see "[DataSetIdentification10](#)" on page 885 for details)

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

7.4.2.5.2.6.2 POIChallenge <POIChlng>

Presence: [0..1]

Definition: Point of interaction challenge for cryptographic key injection.

Datatype: "Max140Binary" on page 1014

7.4.2.5.2.6.3 TMChallenge <TMChllng>

Presence: [0..1]

Definition: Terminal manager challenge for cryptographic key injection.

Datatype: "Max140Binary" on page 1014

7.4.2.5.2.6.4 SessionKey <SsnKey>

Presence: [0..1]

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

SessionKey <SsnKey> contains the following elements (see "[CryptographicKey18](#)" on page 999 for details)

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

7.4.2.5.2.6.5 DelegationProof <DlgtnProof>

Presence: [0..1]

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

Datatype: ["Max5000Binary" on page 1015](#)

7.4.2.5.2.6.6 ProtectedDelegationProof <PrtctdDlgnProof>

Presence: [0..1]

Definition: Protected proof of delegation.

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

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

7.4.2.5.2.7 Event <Evt>

Presence: [0..*]

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

Event <Evt> contains the following elements (see "[TMSEvent11](#)" on page 933 for details)

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

7.4.2.5.2.8 Errors <Errs>

Presence: [0..*]

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

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

7.4.2.5.3 HostStatus <HstSts>

Presence: [0..*]

Definition: State of a Host.

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | AcquirerIdentification <AcqrrId> | [1..1] | Text | | 313 |
| | Reachable <Rchbl> | [0..1] | Indicator | | 313 |

7.4.2.5.3.1 AcquirerIdentification <AcqrrId>

Presence: [1..1]

Definition: Identification of the Acquirer.

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

7.4.2.5.3.2 Reachable <Rchbl>

Presence: [0..1]

Definition: Indicate if a Host is reachable.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

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

7.4.2.6 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

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

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

7.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

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

Impacted by: [C5 "SupplementaryDataRule"](#)

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

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

Constraints

- **SupplementaryDataRule**

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

7.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on [page 997](#) for details)

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

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SaleToPOIAdministrativeRequestV06

8.1 MessageDefinition Functionality

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

Outline

The SaleToPOIAdministrativeRequestV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. AdministrativeRequest

Information related to the administrative request.

C. SecurityTrailer

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

8.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | <i>Message root <Document> <SaleToPOIAdmstvReq></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 316 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 317 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 317 | |
| | ExchangelIdentification <XchgId> | [1..1] | Text | 318 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 318 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 318 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 318 | |
| | Traceability <Tracblt> | [0..*] | ± | 319 | |
| | AdministrativeRequest <AdmstvReq> | [1..1] | | 319 | |
| | Environment <Envrt> | [1..1] | ± | 320 | |
| | Context <Cntxt> | [1..1] | ± | 326 | |
| | AdministrativeServiceIdentification <AdmstvSvcld> | [0..1] | Text | 329 | |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 329 |
| | SecurityTrailer <ScyTrlr> | [0..1] | ± | | 329 |

8.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 SupplementaryDataRule

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

C6 ValidationByTable

Must be a valid terrestrial language.

8.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

8.4.1 Header <Hdr>

Presence: [1..1]

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

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

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 317 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 317 |
| | ExchangIdentification <XchgId> | [1..1] | Text | | 318 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 318 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 318 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 318 |
| | Traceability <Tracblt> | [0..*] | ± | | 319 |

8.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

Datatype: "RetailerMessage1Code" on page 1062

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

8.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

8.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: ["Max35Text" on page 1088](#)

8.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: ["ISODateTime" on page 1081](#)

8.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see ["GenericIdentification177" on page 754](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer <Issr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNRthwrd> | [1..1] | Text | | 759 |

8.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

8.4.1.7 Traceability <TracBlt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <TracBlt> contains the following elements (see "Traceability8" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

8.4.2 AdministrativeRequest <AdmstvReq>

Presence: [1..1]

Definition: Information related to the administrative request.

AdministrativeRequest <AdmstvReq> contains the following **AdministrativeRequest7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|------|-------------|------|
| | Environment <Envt> | [1..1] | ± | | 320 |
| | Context <Cntxt> | [1..1] | ± | | 326 |
| | AdministrativeServiceIdentification <AdmstvSvcld> | [0..1] | Text | | 329 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 329 |

8.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capabilties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LtyAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpggAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmptn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification </id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMS/SDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

8.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnDncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnDntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnDntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtedOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

8.4.2.3 AdministrativeServiceIdentification <AdmstvSvclId>

Presence: [0..1]

Definition: Identification of the administrative service to process.

Datatype: ["Max20000Text" on page 1087](#)

8.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: [C5 "SupplementaryDataRule"](#)

SupplementaryData <SplmtryData> contains the following elements (see ["SupplementaryData1" on page 763](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

8.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see ["ContentInformationType38" on page 997](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

9 casp.008.001.06

SaleToPOIAdministrativeResponseV06

9.1 MessageDefinition Functionality

The SaleToPOIAdministrativeResponse message is sent by a POI System to a sale system to provide response to an administrative service.

Outline

The SaleToPOIAdministrativeResponseV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. AdministrativeResponse

Information related to the response of an administrative request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

9.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | <i>Message root <Document> <SaleToPOIAdmstvRspn></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 331 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 332 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 332 | |
| | ExchangelIdentification <XchgId> | [1..1] | Text | 333 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 333 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 333 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 333 | |
| | Traceability <Tracblt> | [0..*] | ± | 334 | |
| | AdministrativeResponse <AdmstvRspn> | [1..1] | | 334 | |
| | Environment <Envr> | [1..1] | ± | 335 | |
| | Context <Cntxt> | [1..1] | ± | 341 | |
| | Response <Rspn> | [1..1] | ± | 344 | |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 344 |
| | SecurityTrailer <ScyTrlr> | [0..1] | ± | | 344 |

9.3 Constraints

C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

C5 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C6 ValidationByTable

Must be a valid terrestrial language.

9.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

9.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 332 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 332 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 333 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 333 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 333 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 333 |
| | Traceability <Tracblt> | [0..*] | ± | | 334 |

9.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "RetailerMessage1Code" on page 1062

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

9.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

9.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: ["Max35Text" on page 1088](#)

9.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: ["ISODateTime" on page 1081](#)

9.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see ["GenericIdentification177" on page 754](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer <Issr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNRthwrd> | [1..1] | Text | | 759 |

9.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

9.4.1.7 Traceability <TracBlt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <TracBlt> contains the following elements (see "Traceability8" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

9.4.2 AdministrativeResponse <AdmstvRspn>

Presence: [1..1]

Definition: Information related to the response of an administrative request.

AdministrativeResponse <AdmstvRspn> contains the following **AdministrativeResponse7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|------|-------------|------|
| | Environment <Envt> | [1..1] | ± | | 335 |
| | Context <Cntxt> | [1..1] | ± | | 341 |
| | Response <Rspn> | [1..1] | ± | | 344 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 344 |

9.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LtyAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpggAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmptn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMS/SDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

9.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnDncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnDntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnDntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtedOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplitPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

9.4.2.3 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 911 |

9.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: [C5 "SupplementaryDataRule"](#)

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

9.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

10 **casp.009.001.06** **SaleToPOIReportRequestV06**

10.1 **MessageDefinition Functionality**

The SaleToPOIReportRequest message is sent by sale system to request a report service.

Outline

The SaleToPOIReportRequestV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. ReportRequest

Information related to the report request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

10.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | Message root <Document> <SaleToPOIRptReq> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 348 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 349 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 350 | |
| | ExchangelIdentification <XchgId> | [1..1] | Text | 350 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 350 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 350 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 351 | |
| | Traceability <Tracblt> | [0..*] | ± | 352 | |
| | ReportRequest <RptReq> | [1..1] | | 352 | |
| | Environment <Envrt> | [1..1] | ± | 353 | |
| | Context <Cntxt> | [1..1] | ± | 359 | |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | 362 | |
| | ReportTransactionRequest <RptTxReq> | [0..1] | | 362 | |
| | SearchCriteria <SchCrit> | [1..*] | | 362 | |
| | SearchOr <SchOr> | [1..*] | | 363 | |
| | SearchAnd <SchAnd> | [1..*] | | 363 | |
| | Target <Trgt> | [1..1] | Text | 363 | |
| | Operator <Optrr> | [1..1] | CodeSet | 363 | |
| | Value <Val> | [1..1] | Text | 364 | |
| | SearchOutputOrder <SchOutptOrdr> | [0..1] | | 364 | |
| | CriteriaOrder <CritOrdr> | [1..*] | | 364 | |
| | Target <Trgt> | [1..1] | Text | 364 | |
| | DescendingOrder <DscndgOrdr> | [0..1] | Indicator | 364 | |
| | BlockStart <BlckStart> | [0..1] | Quantity | 365 | |
| | BlockStop <BlckStop> | [0..1] | Quantity | 365 | |
| | ReportGetTotalsRequest <RptGetTtlReq> | [0..1] | | 365 | |
| | TotalDetails <TtlDtls> | [0..1] | CodeSet | 365 | |
| | TotalFilter <TtlFltr> | [0..1] | | 366 | |
| | POIIdentification <POIId> | [0..1] | Text | 366 | |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|------|-------------|------|
| | SaleIdentification <SaleId> | [0..1] | Text | | 366 |
| | CashierIdentification <CshrlId> | [0..1] | Text | | 366 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 366 |
| | TotalsGroupIdentification <TtlSGrpId> | [0..1] | Text | | 366 |
| | SupplementaryData <SplMtryData> | [0..*] | ± | C5 | 367 |
| | SecurityTrailer <ScryTrlr> | [0..1] | ± | | 367 |

10.3 Constraints

C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

C5 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C6 ValidationByTable

Must be a valid terrestrial language.

10.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

10.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 349 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 350 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 350 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 350 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 350 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 351 |
| | Traceability <Tracblt> | [0..*] | ± | | 352 |

10.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: ["RetailerMessage1Code" on page 1062](#)

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |

| CodeName | Name | Definition |
|----------|------------------------------------|--|
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

10.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

10.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: ["Max35Text" on page 1088](#)

10.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: ["ISODateTime" on page 1081](#)

10.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

10.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

10.4.1.7 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "[Traceability8](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

10.4.2 ReportRequest <RptReq>

Presence: [1..1]

Definition: Information related to the report request.

ReportRequest <RptReq> contains the following **ReportRequest7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Environment <Envt> | [1..1] | ± | | 353 |
| | Context <Cntxt> | [1..1] | ± | | 359 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 362 |
| | ReportTransactionRequest <RptTxReq> | [0..1] | | | 362 |
| | SearchCriteria <SchCrit> | [1..*] | | | 362 |
| | SearchOr <SchOr> | [1..*] | | | 363 |
| | SearchAnd <SchAnd> | [1..*] | | | 363 |
| | Target <Trgt> | [1..1] | Text | | 363 |
| | Operator <Optrr> | [1..1] | CodeSet | | 363 |
| | Value <Val> | [1..1] | Text | | 364 |
| | SearchOutputOrder <SchOutptOrdr> | [0..1] | | | 364 |
| | CriteriaOrder <CritOrdr> | [1..*] | | | 364 |
| | Target <Trgt> | [1..1] | Text | | 364 |
| | DescendingOrder <DscndgOrdr> | [0..1] | Indicator | | 364 |
| | BlockStart <BlckStart> | [0..1] | Quantity | | 365 |
| | BlockStop <BlckStop> | [0..1] | Quantity | | 365 |
| | ReportGetTotalsRequest <RptGetTtlsReq> | [0..1] | | | 365 |
| | TotalDetails <TtlDtls> | [0..1] | CodeSet | | 365 |
| | TotalFilter <TtlFltr> | [0..1] | | | 366 |
| | POIIdentification <POIId> | [0..1] | Text | | 366 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 366 |
| | CashierIdentification <CshrlId> | [0..1] | Text | | 366 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 366 |
| | TotalsGroupIdentification <TtlsGrpld> | [0..1] | Text | | 366 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 367 |

10.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LityAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpggAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmptn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeeldNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

10.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtdOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

10.4.2.3 ServiceContent <SvcCntr>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: "RetailerService6Code" on page 1069

| CodeName | Name | Definition |
|----------|--|--|
| RPTQ | AdministrativeReportTransactionRequest | The Sale System requests to the POI System a report on a list of transactions. |
| RPAQ | AdministrativeReportGetTotalsRequest | The Sale System requests to the POI System a report on the totals figures of the POI system. |

10.4.2.4 ReportTransactionRequest <RptTxReq>

Presence: [0..1]

Definition: Content of the Transaction Report Request message.

ReportTransactionRequest <RptTxReq> contains the following **ReportTransactionRequest1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | SearchCriteria <SchCrit> | [1..*] | | | 362 |
| | SearchOr <SchOr> | [1..*] | | | 363 |
| | SearchAnd <SchAnd> | [1..*] | | | 363 |
| | Target <Trgt> | [1..1] | Text | | 363 |
| | Operator <Oprtr> | [1..1] | CodeSet | | 363 |
| | Value <Val> | [1..1] | Text | | 364 |
| | SearchOutputOrder <SchOutptOrdr> | [0..1] | | | 364 |
| | CriteriaOrder <CritOrdr> | [1..*] | | | 364 |
| | Target <Trgt> | [1..1] | Text | | 364 |
| | DescendingOrder <DscndgOrdr> | [0..1] | Indicator | | 364 |
| | BlockStart <BlckStart> | [0..1] | Quantity | | 365 |
| | BlockStop <BlckStop> | [0..1] | Quantity | | 365 |

10.4.2.4.1 SearchCriteria <SchCrit>

Presence: [1..*]

Definition: Eligibility parameters for a transaction to be part of transaction report.

SearchCriteria <SchCrit> contains the following **SearchCriteria1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------|--------|---------|-------------|------|
| | SearchOr <SchOr> | [1..*] | | | 363 |
| | SearchAnd <SchAnd> | [1..*] | | | 363 |
| | Target <Trgt> | [1..1] | Text | | 363 |
| | Operator <Oprtr> | [1..1] | CodeSet | | 363 |
| | Value <Val> | [1..1] | Text | | 364 |

10.4.2.4.1.1 **SearchOr <SchOr>**

Presence: [1..*]

Definition: List of criteria following the OR logic.

SearchOr <SchOr> contains the following **SearchOr1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------|--------|---------|-------------|------|
| | SearchAnd <SchAnd> | [1..*] | | | 363 |
| | Target <Trgt> | [1..1] | Text | | 363 |
| | Operator <Oprtr> | [1..1] | CodeSet | | 363 |
| | Value <Val> | [1..1] | Text | | 364 |

10.4.2.4.1.1.1 **SearchAnd <SchAnd>**

Presence: [1..*]

Definition: List of criteria following the AND logic.

SearchAnd <SchAnd> contains the following **SearchAnd1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------|--------|---------|-------------|------|
| | Target <Trgt> | [1..1] | Text | | 363 |
| | Operator <Oprtr> | [1..1] | CodeSet | | 363 |
| | Value <Val> | [1..1] | Text | | 364 |

10.4.2.4.1.1.1.1 **Target <Trgt>**

Presence: [1..1]

Definition: Identifier of target element.

Datatype: "Max500Text" on page 1089

10.4.2.4.1.1.1.2 **Operator <Oprtr>**

Presence: [1..1]

Definition: Comparison operator used to evaluate matching transactions vs criteria.

Datatype: "Operator1Code" on page 1052

| CodeName | Name | Definition |
|----------|------------------|----------------------|
| SMAL | SmallerThan | Smaller than. |
| SMEQ | SmallerOrEqualTo | Smaller or equal to. |
| GREA | GreaterThan | Greater than. |
| GREQ | GreaterOrEqualTo | Greater or equal to. |
| EQAL | EqualTo | Equal to. |

10.4.2.4.1.1.1.3 Value <Val>

Presence: [1..1]

Definition: Reference value to be used when evaluating against the target element value using the criteria operator.

Datatype: "Max500Text" on page 1089

10.4.2.4.2 SearchOutputOrder <SchOutptOrdr>

Presence: [0..1]

Definition: Indicates the ordering in which the resulting transaction reports should be returned.

SearchOutputOrder <SchOutptOrdr> contains the following **SearchOutputOrder1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|------|-------------|------|
| | CriteriaOrder <CritOrdr> | [1..*] | | | 364 |
| | Target <Trgt> | [1..1] | Text | | 364 |

10.4.2.4.2.1 CriteriaOrder <CritOrdr>

Presence: [1..]*

Definition: Ordering criteria for the transaction report.

CriteriaOrder <CritOrdr> contains the following **CriteriaOrder1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|------|-------------|------|
| | Target <Trgt> | [1..1] | Text | | 364 |

10.4.2.4.2.1.1 Target <Trgt>

Presence: [1..1]

Definition: Identifier of target element.

Datatype: "Max500Text" on page 1089

10.4.2.4.3 DescendingOrder <DscndgOrdr>

Presence: [0..1]

Definition: Indicates the order used for the criteria.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

10.4.2.4.4 BlockStart <BlckStart>

Presence: [0..1]

Definition: Index of the first transaction matching the search criteria.

Datatype: ["PositiveNumber" on page 1084](#)

10.4.2.4.5 BlockStop <BlckStop>

Presence: [0..1]

Definition: Index of the last transaction matching the search criteria.

Datatype: ["PositiveNumber" on page 1084](#)

10.4.2.5 ReportGetTotalsRequest <RptGetTtlsReq>

Presence: [0..1]

Definition: Content of the Get Totals Request message.

ReportGetTotalsRequest <RptGetTtlsReq> contains the following **ReportGetTotalsRequest1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | TotalDetails <TtlDtls> | [0..1] | CodeSet | | 365 |
| | TotalFilter <TtlFltr> | [0..1] | | | 366 |
| | POIIdentification <POId> | [0..1] | Text | | 366 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 366 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 366 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 366 |
| | TotalsGroupIdentification <TtlsGrpld> | [0..1] | Text | | 366 |

10.4.2.5.1 TotalDetails <TtlDtls>

Presence: [0..1]

Definition: Indicates the hierarchical structure of the report.

Datatype: ["TotalDetails1Code" on page 1076](#)

| CodeName | Name | Definition |
|----------|--------------------------|---|
| OPID | PerCashierIdentification | Give the totals result per Operator Identification value. |
| PIID | PerPOIIdentification | Give the totals result per POI Identification value. |
| TGID | PerTotalsGroup | Give the totals result per Totals Group Identification value. |

| CodeName | Name | Definition |
|----------|-----------------------|---|
| SNID | PerShiftNumber | Give the totals result per Shift Number Identification value. |
| SAID | PerSaleIdentification | Give the totals result per Sale Identification value. |

10.4.2.5.2 TotalFilter <TtlFltr>

Presence: [0..1]

Definition: Filter to compute the totals.

TotalFilter <TtlFltr> contains the following TotalFilter1 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|------|-------------|------|
| | POIdentification <POId> | [0..1] | Text | | 366 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 366 |
| | CashierIdentification <CshrlId> | [0..1] | Text | | 366 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 366 |
| | TotalsGroupIdentification <TtlIsGrpId> | [0..1] | Text | | 366 |

10.4.2.5.2.1 POIdentification <POId>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: ["Max35Text" on page 1088](#)

10.4.2.5.2.2 SaleIdentification <SaleId>

Presence: [0..1]

Definition: Identification of the sale terminal (electronic cash register or point of sale terminal) or the sale system.

Datatype: ["Max35Text" on page 1088](#)

10.4.2.5.2.3 CashierIdentification <CshrlId>

Presence: [0..1]

Definition: Identification of the cashier who carried out the transaction.

Datatype: ["Max35Text" on page 1088](#)

10.4.2.5.2.4 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: ["Max35Text" on page 1088](#)

10.4.2.5.2.5 TotalsGroupIdentification <TtlIsGrpId>

Presence: [0..1]

Definition: Identification of a group of transaction on a POI Terminal, having the same Sale features.

Datatype: ["Max35Text" on page 1088](#)

10.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: [C5 "SupplementaryDataRule"](#)

SupplementaryData <SplmtryData> contains the following elements (see ["SupplementaryData1" on page 763](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

10.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see ["ContentInformationType38" on page 997](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

11 casp.010.001.06 SaleToPOIReportResponseV06

11.1 MessageDefinition Functionality

This SaleToPOIReportResponse message is sent by a POI to provide the report previously expected by a sale system.

Outline

The SaleToPOIReportResponseV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. ReportResponse

Information related to the response of a report request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

11.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | <i>Message root <Document> <SaleToPOI/RptRspn></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 376 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 376 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 377 | |
| | ExchangelIdentification <XchgId> | [1..1] | Text | 377 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 377 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 378 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 378 | |
| | Traceability <Tracblt> | [0..*] | ± | 379 | |
| | ReportResponse <RptRspn> | [1..1] | | 379 | |
| | Environment <Envrt> | [1..1] | ± | 386 | |
| | Context <Cntxt> | [1..1] | ± | 392 | |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | 395 | |
| | ReportTransactionResponse <RptTxRspn> | [0..1] | | 395 | |
| | ReportFullSize <RptFullSz> | [1..1] | Quantity | 400 | |
| | BlockStart <BlckStart> | [1..1] | Quantity | 400 | |
| | BlockStop <BlckStop> | [1..1] | Quantity | 401 | |
| | TransactionReport <TxRpt> | [0..*] | | 401 | |
| | Environment <Envrt> | [1..1] | ± | 406 | |
| | Context <Cntxt> | [1..1] | ± | 412 | |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | 415 | |
| | PaymentResponse <PmtRspn> | [0..1] | | 415 | |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | 416 | |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | 417 | |
| | POITransactionIdentification <POITxId> | [1..1] | ± | 417 | |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | 417 | |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | 417 | |
| | RetailerPaymentResult <RtlrPmtRslt> | [1..1] | ± | 417 | |
| | PaymentReceipt <PmtRct> | [0..*] | ± | 420 | |
| | LoyaltyResult <LityRslt> | [0..*] | | 420 | |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 421 |
| | Amount <Amt> | [0..1] | | | 422 |
| | Unit <Unit> | [0..1] | CodeSet | | 422 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 422 |
| | Amount <Amt> | [1..1] | Amount | | 422 |
| | ServerData <SrvData> | [0..1] | | | 422 |
| | LoyaltyServerIdentification <LitySvrld> | [0..1] | Text | | 423 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 423 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 423 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 423 |
| | Rebates <Rbts> | [0..1] | | | 423 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 424 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 424 |
| | SaleItem <Saleitm> | [1..1] | ± | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 425 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 425 |
| | ReversalResponse <Rvs/Rspn> | [0..1] | | | 426 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 426 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 427 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 427 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 427 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 427 |
| | ReversalTransactionResult <Rvs/TxRslt> | [1..1] | | | 427 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 428 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 428 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 433 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 433 |
| | Receipt <Rct> | [0..*] | ± | | 433 |
| | BalanceInquiryResponse <BalNqryRspn> | [0..1] | | | 434 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 435 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 435 |
| | PaymentAccount <PmtAcct> | [0..1] | | | 435 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 435 |
| | CurrentBalance <CurBal> | [0..1] | Amount | | 436 |
| | PaymentAcquirerData <PmtAcqrrData> | [0..1] | ± | | 436 |
| | LoyaltyAccount <LltyAcct> | [0..1] | ± | | 436 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 436 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 437 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 438 |
| | Identification <Id> | [0..1] | Text | | 438 |
| | Brand <Brnd> | [0..1] | Text | | 438 |
| | Provider <Prvdr> | [0..1] | Text | | 438 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 438 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 439 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 439 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 439 |
| | Balance <Bal> | [0..1] | Amount | | 440 |
| | Receipt <Rct> | [0..*] | ± | | 440 |
| | LoyaltyResponse <LltyRspn> | [0..1] | | | 440 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 441 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 441 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 442 |
| | Result <Rslt> | [0..*] | | | 442 |
| | Account <Acct> | [1..1] | ± | | 442 |
| | Amount <Amt> | [0..1] | | | 443 |
| | Unit <Unit> | [0..1] | CodeSet | | 443 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 443 |
| | Amount <Amt> | [1..1] | Amount | | 444 |
| | ServerData <SvrData> | [0..1] | | | 444 |
| | LoyaltyServerIdentification <LltySvrId> | [0..1] | Text | | 444 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 444 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | LoyaltyTransactionIdentification <LltxId> | [0..1] | ± | | 444 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 445 |
| | Rebates <Rbts> | [0..1] | | | 445 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 445 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 445 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 445 |
| | SaleItem <Saleitm> | [1..1] | ± | | 446 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 446 |
| | StoredValueResponse <StordValRspn> | [0..1] | | | 446 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 447 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 448 |
| | Result <Rslt> | [0..*] | | | 448 |
| | Provider <Prvdr> | [0..1] | Text | | 449 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 449 |
| | AccountIdentification <AcctId> | [0..1] | | | 450 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 450 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 451 |
| | Identification <Id> | [0..1] | Text | | 451 |
| | Brand <Brnd> | [0..1] | Text | | 452 |
| | Provider <Prvdr> | [0..1] | Text | | 452 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 452 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 452 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 452 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 453 |
| | Balance <Bal> | [0..1] | Amount | | 453 |
| | OriginalPOITransaction <OrgnlPOITx> | [0..1] | ± | | 453 |
| | ProductCode <PdctCd> | [0..1] | Text | | 458 |
| | EANUPC <EANUPC> | [0..1] | Text | | 458 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 458 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 458 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 459 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Receipt <Rct> | [0..*] | ± | | 459 |
| | BatchResponse <BtchRspn> | [0..1] | | | 459 |
| | SaleBatchIdentification <SaleBtchId> | [0..1] | ± | | 460 |
| | POIBatchIdentification <POIBtchId> | [0..1] | ± | | 461 |
| | PerformedTransaction <PrfrmtdTx> | [0..*] | | | 461 |
| | Response <Rspn> | [1..1] | ± | | 462 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 463 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 463 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 463 |
| | PaymentResult <PmtRslt> | [0..1] | ± | | 463 |
| | LoyaltyResult <LltyRslt> | [0..*] | | | 466 |
| | Account <Acct> | [1..1] | ± | | 467 |
| | Amount <Amt> | [0..1] | | | 468 |
| | Unit <Unit> | [0..1] | CodeSet | | 468 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 468 |
| | Amount <Amt> | [1..1] | Amount | | 468 |
| | ServerData <SvrData> | [0..1] | | | 468 |
| | LoyaltyServerIdentification <LltySvrld> | [0..1] | Text | | 469 |
| | ApprovalCode <ApprvCd> | [0..1] | Text | | 469 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 469 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 469 |
| | Rebates <Rbts> | [0..1] | | | 469 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 470 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 470 |
| | SaleItem <Saleitm> | [1..1] | ± | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 471 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 471 |
| | CardAcquisitionResponse <CardAcqstnRspn> | [0..1] | | | 471 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 472 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 472 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 472 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 472 |
| | LoyaltyAccount <LltyAcct> | [0..*] | ± | | 473 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 473 |
| | Response <Rspn> | [1..1] | ± | | 474 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 474 |
| | ReportGetTotalsResponse <RptGetTtlsRspn> | [0..1] | | | 475 |
| | POIReconciliationIdentification <POIRcncltnId> | [1..1] | Text | | 477 |
| | TransactionTotalsSet <TxTtlsSet> | [0..*] | | | 477 |
| | PaymentInstrumentType <PmtInstrmTp> | [1..1] | CodeSet | | 479 |
| | AcquirerIdentification <AcqrrId> | [0..1] | Text | | 479 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 479 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 479 |
| | Brand <Brnd> | [0..1] | Text | | 479 |
| | POIIdentification <POIId> | [0..1] | Text | | 479 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 480 |
| | CashierIdentification <CshrlId> | [0..1] | Text | | 480 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 480 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 480 |
| | CommonName <CmonNm> | [1..1] | Text | | 480 |
| | Address <Adr> | [0..1] | Text | | 480 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 480 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 481 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 481 |
| | TransactionTotal <TxTtl> | [1..1] | | | 481 |
| | POIGroupIdentification <POIGrpld> | [0..1] | Text | | 481 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 481 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 481 |
| | Type <Tp> | [1..1] | CodeSet | | 482 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 482 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 482 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 482 |
| | LoyaltyTransactionTotal <LtlyTxTtl> | [0..*] | | | 483 |
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 483 |
| | LoyaltyUnit <LtlyUnit> | [0..1] | CodeSet | | 483 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 484 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 484 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 484 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 484 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 485 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 485 |
| | Response <Rspn> | [1..1] | ± | | 485 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 485 |
| | SecurityTrailer <ScyTrlr> | [0..1] | ± | | 486 |

11.3 Constraints

C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C4 CurrencyAmount

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

C5 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

C6 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C7 ValidationByTable

Must be a valid terrestrial language.

11.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

11.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 376 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 377 |
| | Exchangeldentification <XchgId> | [1..1] | Text | | 377 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 377 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 378 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 378 |
| | Traceability <Tracblt> | [0..*] | ± | | 379 |

11.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: ["RetailerMessage1Code" on page 1062](#)

| CodeName | Name | Definition |
|----------|---------------|--|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, |

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| | | Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

11.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

11.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: ["Max35Text" on page 1088](#)

11.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: ["ISODateTime" on page 1081](#)

11.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Identification < <i>Id</i> > | [1..1] | Text | | 755 |
| | Type < <i>Tp</i> > | [0..1] | CodeSet | | 755 |
| | Issuer < <i>Issr</i> > | [0..1] | CodeSet | | 756 |
| | Country < <i>Ctry</i> > | [0..1] | Text | | 756 |
| | ShortName < <i>ShrtNm</i> > | [0..1] | Text | | 756 |
| | RemoteAccess < <i>RmotAccs</i> > | [0..1] | ± | | 757 |
| | Geolocation < <i>Glctn</i> > | [0..1] | | | 757 |
| | GeographicCoordinates < <i>GeogcCordints</i> > | [0..1] | | | 757 |
| | Latitude < <i>Lat</i> > | [1..1] | Text | | 758 |
| | Longitude < <i>Long</i> > | [1..1] | Text | | 758 |
| | UTMCoordinates < <i>UTMCordints</i> > | [0..1] | | | 758 |
| | UTMZone < <i>UTMZone</i> > | [1..1] | Text | | 758 |
| | UTMEastward < <i>UTMEstwrd</i> > | [1..1] | Text | | 758 |
| | UTMNorthward < <i>UTMNrthwrd</i> > | [1..1] | Text | | 759 |

11.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

11.4.1.7 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability8" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

11.4.2 ReportResponse <RptRspn>

Presence: [1..1]

Definition: Information related to the response of a report request.

ReportResponse <RptRspn> contains the following **ReportResponse7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | Environment <Envt> | [1..1] | ± | | 386 |
| | Context <Cntxt> | [1..1] | ± | | 392 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 395 |
| | ReportTransactionResponse <RptTxRspn> | [0..1] | | | 395 |
| | ReportFullSize <RptFullSz> | [1..1] | Quantity | | 400 |
| | BlockStart <BlckStart> | [1..1] | Quantity | | 400 |
| | BlockStop <BlckStop> | [1..1] | Quantity | | 401 |
| | TransactionReport <TxRpt> | [0..*] | | | 401 |
| | Environment <Envt> | [1..1] | ± | | 406 |
| | Context <Cntxt> | [1..1] | ± | | 412 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 415 |
| | PaymentResponse <PmtRspn> | [0..1] | | | 415 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 416 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 417 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 417 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 417 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 417 |
| | RetailerPaymentResult <RtrPmtRsIt> | [1..1] | ± | | 417 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 420 |
| | LoyaltyResult <LityRsIt> | [0..*] | | | 420 |
| | Account <Acct> | [1..1] | ± | | 421 |
| | Amount <Amt> | [0..1] | | | 422 |
| | Unit <Unit> | [0..1] | CodeSet | | 422 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 422 |
| | Amount <Amt> | [1..1] | Amount | | 422 |
| | ServerData <SvrData> | [0..1] | | | 422 |
| | LoyaltyServerIdentification <LitySvrlId> | [0..1] | Text | | 423 |
| | ApprovalCode <ApprvCd> | [0..1] | Text | | 423 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 423 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 423 |
| | Rebates <Rbts> | [0..1] | | | 423 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 424 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 424 |
| | SaleItem <SaleItm> | [1..1] | ± | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 425 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 425 |
| | ReversalResponse <RvslRspn> | [0..1] | | | 426 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 426 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 427 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 427 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 427 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 427 |
| | ReversalTransactionResult <RvsTxRslt> | [1..1] | | | 427 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 428 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 428 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 433 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 433 |
| | Receipt <Rct> | [0..*] | ± | | 433 |
| | BalanceInquiryResponse <BalNqryRspn> | [0..1] | | | 434 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 435 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 435 |
| | PaymentAccount <PmtAcct> | [0..1] | | | 435 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 435 |
| | CurrentBalance <CurBal> | [0..1] | Amount | | 436 |
| | PaymentAcquirerData <PmtAcqrrData> | [0..1] | ± | | 436 |
| | LoyaltyAccount <LityAcct> | [0..1] | ± | | 436 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 436 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 437 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 438 |
| | Identification <Id> | [0..1] | Text | | 438 |
| | Brand <Brnd> | [0..1] | Text | | 438 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Provider <Prvdr> | [0..1] | Text | | 438 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 438 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 439 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 439 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 439 |
| | Balance <Bal> | [0..1] | Amount | | 440 |
| | Receipt <Rct> | [0..*] | ± | | 440 |
| | LoyaltyResponse <LityRspn> | [0..1] | | | 440 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 441 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 441 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 442 |
| | Result <RsIt> | [0..*] | | | 442 |
| | Account <Acct> | [1..1] | ± | | 442 |
| | Amount <Amt> | [0..1] | | | 443 |
| | Unit <Unit> | [0..1] | CodeSet | | 443 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 443 |
| | Amount <Amt> | [1..1] | Amount | | 444 |
| | ServerData <SrvData> | [0..1] | | | 444 |
| | LoyaltyServerIdentification <LitySvrId> | [0..1] | Text | | 444 |
| | ApprovalCode <ApprvICd> | [0..1] | Text | | 444 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 444 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 445 |
| | Rebates <Rbts> | [0..1] | | | 445 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 445 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 445 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 445 |
| | SaleItem <Saleitm> | [1..1] | ± | | 446 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 446 |
| | StoredValueResponse <StordValRspn> | [0..1] | | | 446 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 447 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 448 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Result <RsIt> | [0..*] | | | 448 |
| | Provider <Prvdr> | [0..1] | Text | | 449 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 449 |
| | AccountIdentification <AcctId> | [0..1] | | | 450 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 450 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 451 |
| | Identification <Id> | [0..1] | Text | | 451 |
| | Brand <Brnd> | [0..1] | Text | | 452 |
| | Provider <Prvdr> | [0..1] | Text | | 452 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 452 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 452 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 452 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 453 |
| | Balance <Bal> | [0..1] | Amount | | 453 |
| | OriginalPOITransaction <Orgn/POITx> | [0..1] | ± | | 453 |
| | ProductCode <PdctCd> | [0..1] | Text | | 458 |
| | EANUPC <EANUPC> | [0..1] | Text | | 458 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 458 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 458 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 459 |
| | Receipt <Rct> | [0..*] | ± | | 459 |
| | BatchResponse <BtchRspn> | [0..1] | | | 459 |
| | SaleBatchIdentification <SaleBtchId> | [0..1] | ± | | 460 |
| | POIBatchIdentification <POIBtchId> | [0..1] | ± | | 461 |
| | PerformedTransaction <PrfrmTx> | [0..*] | | | 461 |
| | Response <Rspn> | [1..1] | ± | | 462 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 463 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 463 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 463 |
| | PaymentResult <PmtRsIt> | [0..1] | ± | | 463 |
| | LoyaltyResult <LltyRsIt> | [0..*] | | | 466 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 467 |
| | Amount <Amt> | [0..1] | | | 468 |
| | Unit <Unit> | [0..1] | CodeSet | | 468 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 468 |
| | Amount <Amt> | [1..1] | Amount | | 468 |
| | ServerData <SvrData> | [0..1] | | | 468 |
| | LoyaltyServerIdentification <LitySvrlId> | [0..1] | Text | | 469 |
| | ApprovalCode <ApprvCd> | [0..1] | Text | | 469 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 469 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 469 |
| | Rebates <Rbts> | [0..1] | | | 469 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 470 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 470 |
| | SaleItem <SaleItm> | [1..1] | ± | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 471 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 471 |
| | CardAcquisitionResponse <CardAcqstnRspn> | [0..1] | | | 471 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 472 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 472 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 472 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 472 |
| | LoyaltyAccount <LityAcct> | [0..*] | ± | | 473 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 473 |
| | Response <Rspn> | [1..1] | ± | | 474 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 474 |
| | ReportGetTotalsResponse <RptGetTtlsRspn> | [0..1] | | | 475 |
| | POIReconciliationIdentification <POIRcnclnId> | [1..1] | Text | | 477 |
| | TransactionTotalsSet <TxTtlsSet> | [0..*] | | | 477 |
| | PaymentInstrumentType <PmtInstrmTp> | [1..1] | CodeSet | | 479 |
| | AcquirerIdentification <AcqrId> | [0..1] | Text | | 479 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 479 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 479 |
| | Brand <Brnd> | [0..1] | Text | | 479 |
| | POIIdentification <POId> | [0..1] | Text | | 479 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 480 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 480 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 480 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 480 |
| | CommonName <CmonNm> | [1..1] | Text | | 480 |
| | Address <Adr> | [0..1] | Text | | 480 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 480 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 481 |
| | RegisteredIdentifier <RegdIdr> | [1..1] | Text | | 481 |
| | TransactionTotal <TxTtl> | [1..1] | | | 481 |
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 481 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 481 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 481 |
| | Type <Tp> | [1..1] | CodeSet | | 482 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 482 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 482 |
| | DetailedAmount <DtlldAmt> | [0..1] | ± | | 482 |
| | LoyaltyTransactionTotal <LltyTxTtl> | [0..*] | | | 483 |
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 483 |
| | LoyaltyUnit <LltyUnit> | [0..1] | CodeSet | | 483 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 484 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 484 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 484 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 484 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 485 |
| | DetailedAmount <DtlldAmt> | [0..1] | ± | | 485 |
| | Response <Rspn> | [1..1] | ± | | 485 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------|--------|------|-------------|------|
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 485 |

11.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LityAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpggAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmpn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

11.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtdOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

11.4.2.3 ServiceContent <SvcCntr>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: ["RetailerService7Code" on page 1069](#)

| CodeName | Name | Definition |
|----------|---|--|
| RPTP | AdministrativeReportTransactionResponse | The POI System responds to a transaction report request. |
| RPAP | AdministrativeReportGetTotalsResponse | The POI System responds to a totals figures request. |

11.4.2.4 ReportTransactionResponse <RptTxRspn>

Presence: [0..1]

Definition: Content of the Transaction Report Response message.

ReportTransactionResponse <RptTxRspn> contains the following **ReportTransactionResponse6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | ReportFullSize <RptFullSz> | [1..1] | Quantity | | 400 |
| | BlockStart <BlckStart> | [1..1] | Quantity | | 400 |
| | BlockStop <BlckStop> | [1..1] | Quantity | | 401 |
| | TransactionReport <TxRpt> | [0..*] | | | 401 |
| | Environment <Envt> | [1..1] | ± | | 406 |
| | Context <Cntxt> | [1..1] | ± | | 412 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 415 |
| | PaymentResponse <PmtRspn> | [0..1] | | | 415 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 416 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 417 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 417 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 417 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 417 |
| | RetailerPaymentResult <RtlrPmtRslt> | [1..1] | ± | | 417 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 420 |
| | LoyaltyResult <LltyRslt> | [0..*] | | | 420 |
| | Account <Acct> | [1..1] | ± | | 421 |
| | Amount <Amt> | [0..1] | | | 422 |
| | Unit <Unit> | [0..1] | CodeSet | | 422 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 422 |
| | Amount <Amt> | [1..1] | Amount | | 422 |
| | ServerData <SvrData> | [0..1] | | | 422 |
| | LoyaltyServerIdentification <LltySvrId> | [0..1] | Text | | 423 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 423 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 423 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 423 |
| | Rebates <Rbts> | [0..1] | | | 423 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 424 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 424 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | SaleItem <SaleItm> | [1..1] | ± | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 425 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 425 |
| | ReversalResponse <RvslRspn> | [0..1] | | | 426 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 426 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 427 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 427 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 427 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 427 |
| | ReversalTransactionResult <RvslTxRslt> | [1..1] | | | 427 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 428 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 428 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 433 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 433 |
| | Receipt <Rct> | [0..*] | ± | | 433 |
| | BalanceInquiryResponse <BalNqryRspn> | [0..1] | | | 434 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 435 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 435 |
| | PaymentAccount <PmtAcct> | [0..1] | | | 435 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 435 |
| | CurrentBalance <CurBal> | [0..1] | Amount | | 436 |
| | PaymentAcquirerData <PmtAcqrrData> | [0..1] | ± | | 436 |
| | LoyaltyAccount <LltyAcct> | [0..1] | ± | | 436 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 436 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 437 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 438 |
| | Identification <Id> | [0..1] | Text | | 438 |
| | Brand <Brnd> | [0..1] | Text | | 438 |
| | Provider <Prvdr> | [0..1] | Text | | 438 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 438 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 439 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 439 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 439 |
| | Balance <Bal> | [0..1] | Amount | | 440 |
| | Receipt <Rct> | [0..*] | ± | | 440 |
| | LoyaltyResponse <LltyRspn> | [0..1] | | | 440 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 441 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 441 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 442 |
| | Result <RsIt> | [0..*] | | | 442 |
| | Account <Acct> | [1..1] | ± | | 442 |
| | Amount <Amt> | [0..1] | | | 443 |
| | Unit <Unit> | [0..1] | CodeSet | | 443 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 443 |
| | Amount <Amt> | [1..1] | Amount | | 444 |
| | ServerData <SvrData> | [0..1] | | | 444 |
| | LoyaltyServerIdentification <LltySvrld> | [0..1] | Text | | 444 |
| | ApprovalCode <ApprvCd> | [0..1] | Text | | 444 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 444 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 445 |
| | Rebates <Rbts> | [0..1] | | | 445 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 445 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 445 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 445 |
| | SaleItem <Saleitm> | [1..1] | ± | | 446 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 446 |
| | StoredValueResponse <StordValRspn> | [0..1] | | | 446 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 447 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 448 |
| | Result <RsIt> | [0..*] | | | 448 |
| | Provider <Prvdr> | [0..1] | Text | | 449 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 449 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AccountIdentification <AcctId> | [0..1] | | | 450 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 450 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 451 |
| | Identification <Id> | [0..1] | Text | | 451 |
| | Brand <Brnd> | [0..1] | Text | | 452 |
| | Provider <Prvdr> | [0..1] | Text | | 452 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 452 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 452 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 452 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 453 |
| | Balance <Bal> | [0..1] | Amount | | 453 |
| | OriginalPOITransaction <OrgnlPOITx> | [0..1] | ± | | 453 |
| | ProductCode <PdctCd> | [0..1] | Text | | 458 |
| | EANUPC <EANUPC> | [0..1] | Text | | 458 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 458 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 458 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 459 |
| | Receipt <Rct> | [0..*] | ± | | 459 |
| | BatchResponse <BtchRspn> | [0..1] | | | 459 |
| | SaleBatchIdentification <SaleBtchId> | [0..1] | ± | | 460 |
| | POIBatchIdentification <POIBtchId> | [0..1] | ± | | 461 |
| | PerformedTransaction <PrfrmtdTx> | [0..*] | | | 461 |
| | Response <Rspn> | [1..1] | ± | | 462 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 463 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 463 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 463 |
| | PaymentResult <PmtRslt> | [0..1] | ± | | 463 |
| | LoyaltyResult <LityRslt> | [0..*] | | | 466 |
| | Account <Acct> | [1..1] | ± | | 467 |
| | Amount <Amt> | [0..1] | | | 468 |
| | Unit <Unit> | [0..1] | CodeSet | | 468 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 468 |
| | Amount <Amt> | [1..1] | Amount | | 468 |
| | ServerData <SrvData> | [0..1] | | | 468 |
| | LoyaltyServerIdentification <LitySvrlId> | [0..1] | Text | | 469 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 469 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 469 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 469 |
| | Rebates <Rbts> | [0..1] | | | 469 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 470 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 470 |
| | SaleItem <Saleitm> | [1..1] | ± | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 471 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 471 |
| | CardAcquisitionResponse <CardAcqstnRspn> | [0..1] | | | 471 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 472 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 472 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 472 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 472 |
| | LoyaltyAccount <LityAcct> | [0..*] | ± | | 473 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 473 |
| | Response <Rspn> | [1..1] | ± | | 474 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 474 |

11.4.2.4.1 ReportFullSize <RptFullSz>

Presence: [1..1]

Definition: Specifies the total number of transactions matching the search criteria.

Datatype: ["PositiveNumber" on page 1084](#)

11.4.2.4.2 BlockStart <BlckStart>

Presence: [1..1]

Definition: Index of the first transaction reported in this message within the list of transactions matching the search criteria.

Datatype: ["PositiveNumber" on page 1084](#)

11.4.2.4.3 BlockStop <BlckStop>

Presence: [1..1]

Definition: Index of the last transaction reported in this message.

Datatype: "[PositiveNumber](#)" on page 1084

11.4.2.4.4 TransactionReport <TxRpt>

Presence: [0..*]

Definition: List of Transaction Report containing one Transaction Report for each transaction matching the Search criteria. This list may be partial according to requested block.

TransactionReport <TxRpt> contains the following **ServiceResponse8** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Environment <Envrt> | [1..1] | ± | | 406 |
| | Context <Cntxt> | [1..1] | ± | | 412 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 415 |
| | PaymentResponse <PmtRspn> | [0..1] | | | 415 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 416 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 417 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 417 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 417 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 417 |
| | RetailerPaymentResult <RtlrPmtRsIt> | [1..1] | ± | | 417 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 420 |
| | LoyaltyResult <LltyRsIt> | [0..*] | | | 420 |
| | Account <Acct> | [1..1] | ± | | 421 |
| | Amount <Amt> | [0..1] | | | 422 |
| | Unit <Unit> | [0..1] | CodeSet | | 422 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 422 |
| | Amount <Amt> | [1..1] | Amount | | 422 |
| | ServerData <SvrData> | [0..1] | | | 422 |
| | LoyaltyServerIdentification <LltySvrld> | [0..1] | Text | | 423 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 423 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 423 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 423 |
| | Rebates <Rbts> | [0..1] | | | 423 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 424 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 424 |
| | SaleItem <Saleitm> | [1..1] | ± | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 425 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 425 |
| | ReversalResponse <RvslRspn> | [0..1] | | | 426 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 426 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 427 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 427 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 427 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 427 |
| | ReversalTransactionResult <RvslTxRslt> | [1..1] | | | 427 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 428 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 428 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 433 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 433 |
| | Receipt <Rct> | [0..*] | ± | | 433 |
| | BalanceInquiryResponse <BalNqryRspn> | [0..1] | | | 434 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 435 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 435 |
| | PaymentAccount <PmtAcct> | [0..1] | | | 435 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 435 |
| | CurrentBalance <CurBal> | [0..1] | Amount | | 436 |
| | PaymentAcquirerData <PmtAcqrrData> | [0..1] | ± | | 436 |
| | LoyaltyAccount <LltyAcct> | [0..1] | ± | | 436 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 436 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 437 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 438 |
| | Identification <Id> | [0..1] | Text | | 438 |
| | Brand <Brnd> | [0..1] | Text | | 438 |
| | Provider <Prvdr> | [0..1] | Text | | 438 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 438 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 439 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 439 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 439 |
| | Balance <Bal> | [0..1] | Amount | | 440 |
| | Receipt <Rct> | [0..*] | ± | | 440 |
| | LoyaltyResponse <LltyRspn> | [0..1] | | | 440 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 441 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 441 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 442 |
| | Result <RsIt> | [0..*] | | | 442 |
| | Account <Acct> | [1..1] | ± | | 442 |
| | Amount <Amt> | [0..1] | | | 443 |
| | Unit <Unit> | [0..1] | CodeSet | | 443 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 443 |
| | Amount <Amt> | [1..1] | Amount | | 444 |
| | ServerData <SvrData> | [0..1] | | | 444 |
| | LoyaltyServerIdentification <LitySvrlId> | [0..1] | Text | | 444 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 444 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 444 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 445 |
| | Rebates <Rbts> | [0..1] | | | 445 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 445 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 445 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 445 |
| | SaleItem <Saleitm> | [1..1] | ± | | 446 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 446 |
| | StoredValueResponse <StordValRspn> | [0..1] | | | 446 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 447 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 448 |
| | Result <RsIt> | [0..*] | | | 448 |
| | Provider <Prvdr> | [0..1] | Text | | 449 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 449 |
| | AccountIdentification <AcctId> | [0..1] | | | 450 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 450 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 451 |
| | Identification <Id> | [0..1] | Text | | 451 |
| | Brand <Brnd> | [0..1] | Text | | 452 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Provider <Prvdr> | [0..1] | Text | | 452 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 452 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 452 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 452 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 453 |
| | Balance <Bal> | [0..1] | Amount | | 453 |
| | OriginalPOITransaction <OrgnlPOITx> | [0..1] | ± | | 453 |
| | ProductCode <PdctCd> | [0..1] | Text | | 458 |
| | EANUPC <EANUPC> | [0..1] | Text | | 458 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 458 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 458 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 459 |
| | Receipt <Rct> | [0..*] | ± | | 459 |
| | BatchResponse <BtchRspn> | [0..1] | | | 459 |
| | SaleBatchIdentification <SaleBtchId> | [0..1] | ± | | 460 |
| | POIBatchIdentification <POIBtchId> | [0..1] | ± | | 461 |
| | PerformedTransaction <PrfrmtdTx> | [0..*] | | | 461 |
| | Response <Rspn> | [1..1] | ± | | 462 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 463 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 463 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 463 |
| | PaymentResult <PmtRslt> | [0..1] | ± | | 463 |
| | LoyaltyResult <LityRslt> | [0..*] | | | 466 |
| | Account <Acct> | [1..1] | ± | | 467 |
| | Amount <Amt> | [0..1] | | | 468 |
| | Unit <Unit> | [0..1] | CodeSet | | 468 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 468 |
| | Amount <Amt> | [1..1] | Amount | | 468 |
| | ServerData <SvrData> | [0..1] | | | 468 |
| | LoyaltyServerIdentification <LitySvrId> | [0..1] | Text | | 469 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 469 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | LoyaltyTransactionIdentification <LtyTxId> | [0..1] | ± | | 469 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 469 |
| | Rebates <Rbts> | [0..1] | | | 469 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 470 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 470 |
| | SaleItem <SaleItm> | [1..1] | ± | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 471 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 471 |
| | CardAcquisitionResponse <CardAcqstnRspn> | [0..1] | | | 471 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 472 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 472 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 472 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 472 |
| | LoyaltyAccount <LtyAcct> | [0..*] | ± | | 473 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 473 |
| | Response <Rspn> | [1..1] | ± | | 474 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 474 |

11.4.2.4.4.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LityAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpgAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmpn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

11.4.2.4.4.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtdOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplitPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

11.4.2.4.4.3 ServiceContent <SvcCntr>

Presence: [1..1]

Definition: Define the type of service response.

Datatype: "RetailerService3Code" on page 1068

| CodeName | Name | Definition |
|----------|----------------------------------|---|
| FSPP | FinancialPaymentResponse | The POI System sends a response to a payment request (Purchase/refund/PWCB/MOTO Payment/...). |
| FSRP | FinancialReversalResponse | The POI System sends a response to a reversal request. |
| FSIP | FinancialBalanceInquiryResponse | The POI System sends a response to a Balance Inquiry request. |
| FSBP | FinancialBatchResponse | The POI System sends a response to a batch processing request. |
| FSLP | FinancialLoyaltyResponse | The POI System sends a response to a loyalty processing request. |
| FSVP | FinancialStoredValueResponse | The POI System sends a response to a stored value card or account request. |
| FSEP | FinancialEnableServiceResponse | The POI System sends a response after enabling or not some service. |
| FSAP | FinancialCardAcquisitionResponse | The POI System sends a response to a card data acquisition request. |
| FSCP | FinancialReconciliationResponse | The POI System sends a response to a reconciliation request. |

11.4.2.4.4.4 PaymentResponse <PmtRspn>

Presence: [0..1]

Definition: Data to respond to a Payment request.

PaymentResponse <PmtRspn> contains the following **PaymentResponse6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 416 |
| | SaleReferenceldentification <SaleRefId> | [0..1] | Text | | 417 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 417 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 417 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 417 |
| | RetailerPaymentResult <RtlrPmtRsIt> | [1..1] | ± | | 417 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 420 |
| | LoyaltyResult <LltyRsIt> | [0..*] | | | 420 |
| | Account <Acct> | [1..1] | ± | | 421 |
| | Amount <Amt> | [0..1] | | | 422 |
| | Unit <Unit> | [0..1] | CodeSet | | 422 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 422 |
| | Amount <Amt> | [1..1] | Amount | | 422 |
| | ServerData <SvrData> | [0..1] | | | 422 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 423 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 423 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 423 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 423 |
| | Rebates <Rbts> | [0..1] | | | 423 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 424 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 424 |
| | SaleItem <Saleitm> | [1..1] | ± | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 425 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 425 |

11.4.2.4.4.4.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.4.2 SaleReferenceldentification <SaleRefId>

Presence: [0..1]

Definition: Global reference of the sale transaction for the sale system.

Datatype: ["Max35Text"](#) on page 1088

11.4.2.4.4.4.3 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: POI identification of the transaction in an unambiguous way.

POITransactionIdentification <POITxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.4.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: ["Max35Text"](#) on page 1088

11.4.2.4.4.4.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 1086

11.4.2.4.4.4.6 RetailerPaymentResult <RtlrPmtRslt>

Presence: [1..1]

Definition: Data related to the result of a processed payment transaction.

RetailerPaymentResult <RtlrPmtRslt> contains the following elements (see "RetailerPaymentResult6" on page 764 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | TransactionType <TxTp> | [1..1] | CodeSet | | 767 |
| | AdditionalService <AddtlSvc> | [0..*] | CodeSet | | 768 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 769 |
| | RequestedTransaction <ReqdTx> | [0..1] | ± | | 769 |
| | TransactionResponse <TxRspn> | [0..1] | | | 774 |
| | AuthorisationResult <AuthstnRslt> | [1..1] | | | 777 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 777 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 778 |
| | Response <Rspn> | [1..1] | CodeSet | | 778 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 778 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 778 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 778 |
| | CompletionRequired <CmpltnReqrds> | [0..1] | Indicator | | 778 |
| | TMSTrigger <TMSTrggr> | [0..1] | | | 779 |
| | TMSContactLevel <TMSCtctLvl> | [1..1] | CodeSet | | 779 |
| | TMSIdentification <TMSId> | [0..1] | Text | | 779 |
| | TMSContactDateTime <TMSCtctDtTm> | [0..1] | DateTime | | 779 |
| | AllowedProductCode <AllwdPdctCd> | [0..*] | | | 779 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | NotAllowedProductCode <NotAllwdPdctCd> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | AdditionalAvailableProduct <AddtlAvlblPdct> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 781 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 781 |
| | AmountLimit <AmtLmt> | [0..1] | Amount | | 781 |
| | QuantityLimit <QtyLmt> | [0..1] | Quantity | | 781 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 781 |
| | Balance <Bal> | [0..1] | ± | | 783 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | ProtectedBalance <PrtctdBal> | [0..1] | ± | | 783 |
| | Action <Actn> | [0..*] | | | 784 |
| | ActionType <ActnTp> | [1..1] | CodeSet | | 784 |
| | MessageToPresent <MsgToPres> | [0..1] | ± | | 785 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 786 |
| | Retry <Rtry> | [0..1] | ± | | 786 |
| | TimeCondition <TmCond> | [0..1] | ± | | 786 |
| | CurrencyConversionEligibility <CcyConvsElgbtly> | [0..1] | | | 787 |
| | CurrencyConversionIdentification <CcyConvslD> | [0..1] | Text | | 789 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 789 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 789 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 789 |
| | Decimal <DcmI> | [1..1] | Quantity | | 789 |
| | Name <Nm> | [0..1] | Text | | 790 |
| | ResultingAmount <RsItgAmt> | [0..1] | Amount | | 790 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 790 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 790 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 790 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 790 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 790 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 790 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 791 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 791 |
| | Decimal <DcmI> | [0..1] | Quantity | | 791 |
| | Name <Nm> | [0..1] | Text | | 791 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 791 |
| | LowerBin <LwrBin> | [1..1] | Text | | 792 |
| | HigherBin <HghrBin> | [1..1] | Text | | 792 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 792 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 792 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 792 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 792 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 793 |
| | Amount <Amt> | [1..1] | Amount | | 793 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 793 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 793 |
| | Rate <Rate> | [1..1] | Rate | | 793 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 793 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 793 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 794 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 795 |
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 795 |
| | ImageData <ImgData> | [0..1] | Binary | | 795 |
| | ImageReference <ImgRef> | [0..1] | Text | | 796 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 796 |
| | ProtectedCapturedSignature <PrtctdCaptrdSgntr> | [0..1] | ± | | 796 |
| | MerchantOverrideFlag <MrchntOvrrdFlg> | [0..1] | Indicator | | 796 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C6 | 796 |
| | OnlineFlag <OnlnFlg> | [0..1] | Indicator | | 796 |

11.4.2.4.4.4.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | DocumentQualifier <DocQflr> | [1..1] | CodeSet | | 804 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 805 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 805 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 805 |

11.4.2.4.4.4.8 LoyaltyResult <LityRslt>

Presence: [0..*]

Definition: Data related to the result of a processed loyalty transaction.

LoyaltyResult <LltyRslt> contains the following **LoyaltyResult3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 421 |
| | Amount <Amt> | [0..1] | | | 422 |
| | Unit <Unit> | [0..1] | CodeSet | | 422 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 422 |
| | Amount <Amt> | [1..1] | Amount | | 422 |
| | ServerData <SrvData> | [0..1] | | | 422 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 423 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 423 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 423 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 423 |
| | Rebates <Rbts> | [0..1] | | | 423 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 424 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 424 |
| | SaleItem <SaleItm> | [1..1] | ± | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 425 |

11.4.2.4.4.4.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | LoyaltyIdentification <LltyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

11.4.2.4.4.8.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

Amount <Amt> contains the following **LoyaltyAmount1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 422 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 422 |
| | Amount <Amt> | [1..1] | Amount | | 422 |

11.4.2.4.4.8.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: ["AmountUnit1Code" on page 1026](#)

| CodeName | Name | Definition |
|----------|----------|--|
| MONE | Monetary | The amount is expressed in a monetary value in a currency. |
| POIN | Point | The amount is expressed in point. |

11.4.2.4.4.8.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

11.4.2.4.4.8.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.4.8.3 ServerData <SrvData>

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 <LLtSvrlId> | [0..1] | Text | | 423 |
| | ApprovalCode <ApprvICd> | [0..1] | Text | | 423 |
| | LoyaltyTransactionIdentification <LLtTxId> | [0..1] | ± | | 423 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 423 |

11.4.2.4.4.8.3.1 LoyaltyServerIdentification <LLtSvrlId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.8.3.2 ApprovalCode <ApprvICd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: ["Min6Max8Text" on page 1091](#)

11.4.2.4.4.8.3.3 LoyaltyTransactionIdentification <LLtTxId>

Presence: [0..1]

Definition: Identification of the Loyalty transaction in an unambiguous way.

LoyaltyTransactionIdentification <LLtTxId> contains the following elements (see "[TransactionIdentifier1" on page 931](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.8.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.8.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 424 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 424 |
| | SaleItem <Saleitm> | [1..1] | ± | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 425 |

11.4.2.4.4.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.4.8.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.8.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

Definition: Amount of the payment transaction related to the Loyalty.

SaleItemRebate <SaleitmRbt> contains the following **SaleItemRebate1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|------|-------------|------|
| | SaleItem <Saleitm> | [1..1] | ± | | 424 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 425 |

11.4.2.4.4.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <SaleItm> contains the following elements (see ["Product6" on page 920](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | ItemIdentification <ItmId> | [0..1] | Text | | 921 |
| | ProductCode <PdctCd> | [1..1] | Text | | 921 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 921 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 921 |
| | ProductQuantity <PdctQty> | [0..1] | Quantity | | 923 |
| | UnitPrice <UnitPric> | [0..1] | Amount | | 923 |
| | UnitPriceSign <UnitPricSgn> | [0..1] | Indicator | | 923 |
| | ProductAmount <PdctAmt> | [1..1] | Amount | | 924 |
| | ProductAmountSign <PdctAmtSgn> | [0..1] | Indicator | | 924 |
| | ValueAddedTax <ValAddedTax> | [0..1] | Amount | | 924 |
| | TaxType <TaxTp> | [0..1] | Text | | 924 |
| | ProductDescription <PdctDesc> | [0..1] | Text | | 924 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 924 |
| | DeliveryService <DlvrySvc> | [0..1] | CodeSet | | 924 |
| | SaleChannel <SaleChnl> | [0..1] | Text | | 925 |
| | AdditionalProductDescription <AddtlPdctDesc> | [0..1] | Text | | 925 |

11.4.2.4.4.8.4.3.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.4.9 CustomerOrder <CstmrOrdr>

Presence: [0..*]

Definition: Customer order attached to a customer, recorded in the POI system.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | CustomerOrderIdentification <CstmrOrdrId> | [1..1] | Text | | 912 |
| | SaleReferencelIdentification <SaleRefId> | [1..1] | Text | | 912 |
| | OpenOrderState <OpnOrdrStat> | [0..1] | Indicator | | 913 |
| | StartDate <StartDt> | [1..1] | DateTime | | 913 |
| | EndDate <EndDt> | [0..1] | DateTime | | 913 |
| | Unit <Unit> | [0..1] | CodeSet | | 913 |
| | ForecastedAmount <FrcstdAmt> | [1..1] | Amount | | 913 |
| | CurrentAmount <CurAmt> | [0..1] | Amount | | 913 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 913 |
| | AccessedBy <AccsdBy> | [0..1] | Text | | 914 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 914 |

11.4.2.4.4.5 ReversalResponse <RvsIRspn>

Presence: [0..1]

Definition: Response Data to a Reversal request.

ReversalResponse <RvsIRspn> contains the following **ReversalResponse8** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 426 |
| | SaleReferencelIdentification <SaleRefId> | [0..1] | Text | | 427 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 427 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 427 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 427 |
| | ReversalTransactionResult <RvsTxRslt> | [1..1] | | | 427 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 428 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 428 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 433 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 433 |
| | Receipt <Rct> | [0..*] | ± | | 433 |

11.4.2.4.4.5.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.5.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

Definition: Global reference of the sale transaction for the sale system.

Datatype: ["Max35Text"](#) on page 1088

11.4.2.4.4.5.3 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: POI identification of the transaction in an unambiguous way.

POITransactionIdentification <POITxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.5.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: ["Max35Text"](#) on page 1088

11.4.2.4.4.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 1086

11.4.2.4.4.5.6 ReversalTransactionResult <RvsITxRsIt>

Presence: [1..1]

Definition: Result of reversal transaction.

ReversalTransactionResult <RvsITxRsIt> contains the following **RetailerReversalResult6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|------|-------------|------|
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 428 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 428 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 433 |

11.4.2.4.4.5.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.5.6.2 OriginalPaymentTransaction <OrgnlPmtTx>

Presence: [0..1]

Definition: Original Transaction if any linked to this reversal.

OriginalPaymentTransaction <OrgnPmtTx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | TransactionCapture <TxCaptr> | [0..1] | Indicator | | 713 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 713 |
| | AdditionalService <AddlSvc> | [0..*] | CodeSet | | 714 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 714 |
| | LastTransactionFlag <LastTxFlg> | [0..1] | Indicator | | 715 |
| | MerchantCategoryCode <MrchntCtgyCd> | [0..1] | Text | | 715 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 715 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 715 |
| | OriginalTransaction <OrgnTx> | [0..1] | | | 716 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 718 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 718 |
| | POIIdentification <POId> | [1..1] | ± | | 718 |
| | CurrencyConversion <CcyConvs> | [0..1] | | | 718 |
| | Result <Rslt> | [1..1] | CodeSet | | 721 |
| | ResultReason <RsltRsn> | [0..1] | Text | | 721 |
| | ConversionDetails <ConvsDtls> | [0..*] | | | 721 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 723 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 723 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <Dcm> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 724 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 724 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 724 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 724 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 724 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 724 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 724 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |
| | Decimal <DcmI> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 725 |
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 726 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 727 |
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 727 |
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | DeclarationDetails <DclrtnDtls> | [0..*] | ± | | 727 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 728 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 728 |
| | IssuerCITIdentification <IssrCITId> | [0..1] | Text | | 728 |
| | MerchantCITIdentification <MrchntCITId> | [0..1] | Text | | 728 |
| | TransactionDetails <TxDtls> | [1..1] | | | 729 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 732 |
| | TotalAmount <TtlAmt> | [1..1] | Amount | | 732 |
| | CumulativeAmount <CmltvAmt> | [0..1] | Amount | | 732 |
| | AmountQualifier <AmtQlfr> | [0..1] | CodeSet | | 732 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 732 |
| | RequestedAmount <ReqdAmt> | [0..1] | Amount | | 733 |
| | AuthorisedAmount <AuthrsdAmt> | [0..1] | Amount | | 733 |
| | InvoiceAmount <InvcAmt> | [0..1] | Amount | | 733 |
| | ValidityDate <VldtyDt> | [0..1] | Date | | 733 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | OnLineReason <OnLineRsn> | [0..*] | CodeSet | | 733 |
| | UnattendedLevelCategory <UattnndLvlCtgy> | [0..1] | Text | | 734 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 734 |
| | CurrencyConversionResult <CcyConvsRslt> | [0..1] | | | 735 |
| | AcceptedByCardholder <AccptdByCrdhldr> | [0..1] | Indicator | | 737 |
| | Conversion <Convs> | [0..1] | | | 737 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 739 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 739 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <Dcm> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 740 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 740 |
| | InvertedExchangeRate <NvrtDxchgRate> | [0..1] | Rate | | 740 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 740 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 740 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 740 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 740 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <Dcm> | [0..1] | Quantity | | 741 |
| | Name <Nm> | [0..1] | Text | | 741 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 741 |
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 742 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 743 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 743 |
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 743 |
| | Instalment <Instlmt> | [0..*] | ± | | 744 |
| | Recurring <Rcrng> | [0..1] | ± | | 745 |
| | AggregationTransaction <AggtnTx> | [0..1] | ± | | 746 |
| | ProductCodeSetIdentification <PdctCdSetId> | [0..1] | Text | | 746 |
| | SaleItem <Saleitm> | [0..*] | ± | | 746 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 747 |
| | ReSubmissionCounter <ReSubmissnCntr> | [0..1] | Quantity | | 747 |
| | CompletionSequenceNumber <CmpltnSeqNb> | [0..1] | Quantity | | 747 |
| | CompletionSequenceCounter <CmpltnSeqCntr> | [0..1] | Quantity | | 747 |
| | TotalAuthorisedAmount <TtlAuthrsdAmt> | [0..1] | Amount | | 748 |
| | AdditionalInformation <AddtlInf> | [0..*] | | | 748 |
| | Identification <Id> | [1..1] | Text | | 748 |
| | Value <Val> | [0..1] | Binary | | 748 |
| | ProtectedValue <PrctdVal> | [0..1] | ± | | 748 |
| | Type <Tp> | [0..1] | Text | | 749 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 749 |
| | AuthorisationResult <AuthstnRslt> | [0..1] | | | 749 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 749 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 750 |
| | Response <Rspn> | [1..1] | CodeSet | | 750 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 750 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 751 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 751 |
| | MerchantReferenceData <MrchntRefData> | [0..1] | Text | | 751 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 751 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CustomerToken <CstmrTkn> | [0..1] | ± | | 751 |
| | CustomerConsent <CstmrCnsnt> | [0..1] | Indicator | | 752 |
| | CardProgrammeProposed <CardPrgrmmPropsd> | [0..*] | Text | | 752 |
| | CardProgrammeApplied <CardPrgrmmApId> | [0..1] | Text | | 752 |
| | SaleToPOIData <SaleToPOIData> | [0..1] | Text | | 752 |
| | SaleToAcquirerData <SaleToAcqrrData> | [0..1] | Text | | 753 |
| | SaleToIssuerData <SaleTolssrData> | [0..1] | Text | | 753 |
| | AdditionalTransactionData <AddtlTxData> | [0..*] | Text | | 753 |

11.4.2.4.4.5.6.3 CustomerOrder <CstmrOrdr>

Presence: [0..*]

Definition: Updated Customer order list after reversal.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | CustomerOrderIdentification <CstmrOrdrId> | [1..1] | Text | | 912 |
| | SaleReferenceIdentification <SaleRefId> | [1..1] | Text | | 912 |
| | OpenOrderState <OpnOrdrStat> | [0..1] | Indicator | | 913 |
| | StartDate <StartDt> | [1..1] | DateTime | | 913 |
| | EndDate <EndDt> | [0..1] | DateTime | | 913 |
| | Unit <Unit> | [0..1] | CodeSet | | 913 |
| | ForecastedAmount <FrcstdAmt> | [1..1] | Amount | | 913 |
| | CurrentAmount <CurAmt> | [0..1] | Amount | | 913 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 913 |
| | AccessedBy <AccsdBy> | [0..1] | Text | | 914 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 914 |

11.4.2.4.4.5.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

11.4.2.4.4.5.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

Receipt <Rct> contains the following elements (see "PaymentReceipt6" on page 804 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 804 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 805 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 805 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 805 |

11.4.2.4.4.6 BalanceInquiryResponse <BalNqryRspn>

Presence: [0..1]

Definition: Response data to a balance inquiry service request.

BalanceInquiryResponse <BalNqryRspn> contains the following **BalanceInquiryResponse6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 435 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 435 |
| | PaymentAccount <PmtAcct> | [0..1] | | | 435 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 435 |
| | CurrentBalance <CurBal> | [0..1] | Amount | | 436 |
| | PaymentAcquirerData <PmtAcqrrData> | [0..1] | ± | | 436 |
| | LoyaltyAccount <LityAcct> | [0..1] | ± | | 436 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 436 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 437 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 438 |
| | Identification <Id> | [0..1] | Text | | 438 |
| | Brand <Brnd> | [0..1] | Text | | 438 |
| | Provider <Prvdr> | [0..1] | Text | | 438 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 438 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 439 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 439 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 439 |
| | Balance <Bal> | [0..1] | Amount | | 440 |
| | Receipt <Rct> | [0..*] | ± | | 440 |

11.4.2.4.4.6.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page [931](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|---------------------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.6.2 POITransactionIdentification <POITxId>

Presence: [0..1]

Definition: POI identification of the transaction in an unambiguous way.

POITransactionIdentification <POITxId> contains the following elements (see "[TransactionIdentifier1](#)" on page [931](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|---------------------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.6.3 PaymentAccount <PmtAcct>

Presence: [0..1]

Definition: Payment account information.

PaymentAccount <PmtAcct> contains the following **PaymentAccount3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|---------------------|
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 435 |
| | CurrentBalance <CurBal> | [0..1] | Amount | | 436 |
| | PaymentAcquirerData <PmtAcqrrData> | [0..1] | ± | | 436 |

11.4.2.4.4.6.3.1 Currency <Ccy>

Presence: [0..1]

Definition: Currency of a Payment Account.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode"](#) on page [1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

11.4.2.4.4.6.3.2 CurrentBalance <CurBal>

Presence: [0..1]

Definition: Balance of a Payment Account

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.4.6.3.3 PaymentAcquirerData <PmtAcqrrData>

Presence: [0..1]

Definition: Detail of Acquirer.

PaymentAcquirerData <PmtAcqrrData> contains the following elements (see ["Acquirer10" on page 638](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|------|-------------|------|
| | Identification </d> | [0..1] | ± | | 638 |
| | ParametersVersion <ParamsVrsn> | [0..1] | Text | | 638 |

11.4.2.4.4.6.4 LoyaltyAccount <LltyAcct>

Presence: [0..1]

Definition: Loyalty account information.

LoyaltyAccount <LltyAcct> contains the following elements (see ["LoyaltyAccount3" on page 907](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|---------|-------------|------|
| | LoyaltyIdentification <LltyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

11.4.2.4.4.6.5 StoredValueAccount <StordValAcct>

Presence: [0..*]

Definition: Stored value account information.

StoredValueAccount <StordValAcct> contains the following **StoredValueAccount2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AccountType <AcctTp> | [0..1] | CodeSet | | 437 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 438 |
| | Identification <Id> | [0..1] | Text | | 438 |
| | Brand <Brnd> | [0..1] | Text | | 438 |
| | Provider <Prvdr> | [0..1] | Text | | 438 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 438 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 439 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 439 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 439 |
| | Balance <Bal> | [0..1] | Amount | | 440 |

11.4.2.4.4.6.5.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: ["StoredValueAccountType1Code" on page 1073](#)

| CodeName | Name | Definition |
|----------|------------------------|--|
| BNKA | BankPrepaidAccount | Prepaid account managed by a financial institution for low income customers. |
| CWVC | CarwashVoucher | Car wash specific account. |
| CPYA | CompanyPrepaidAccount | Specific prepaid account for companies or professionals expenses. |
| ELMY | ElectronicMoneyAccount | Account supporting e-money issued by an electronic money issuer. |
| GIFT | GiftCard | Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once. |
| GCER | GiftCertificate | Certificate to be given to a customer. Usually one shot voucher. |
| MLVC | MealVoucher | Meal and check voucher for restaurants. |
| OLVC | OnlineVoucher | Voucher that can be used online once or in several times. |
| MERC | MerchantAccount | Prepaid account open with a merchant or big retailers. |
| OTHR | OtherPrepaidAccount | Other non listed stored value instrument. |
| PHON | PhoneCard | Stored value instrument used to pay telephone services (e.g. card or identifier). |

| CodeName | Name | Definition |
|----------|--------------|--|
| CARD | SmartCardTag | Stored value account hold on the chip of a smart card. |
| TRVL | Travel | Travel prepaid account. |

11.4.2.4.4.6.5.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: "CardIdentificationType1Code" on page 1034

| CodeName | Name | Definition |
|----------|--------------------------------|--|
| ACCT | AccountNumber | Account identification. |
| BARC | BarCode | Bar-code with a specific form of identification. |
| ISO2 | ISOTrack2 | ISO Track 2 including identification. |
| PHON | PhoneNumber | A phone number identifies the account on which the phone card is assigned. |
| CPAN | PrimaryAccountNumber | Standard card identification (card number). |
| PRIV | PrivativeNumbering | An identification set by a privative application. |
| UUID | UniversalUniquelIdentification | A Universal Unique Identification code is set for identification. |

11.4.2.4.4.6.5.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.6.5.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.6.5.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.6.5.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

11.4.2.4.4.6.5.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

11.4.2.4.4.6.5.8 EntryMode <NtryMd>

Presence: [0..1]

Definition: Standard or last entry mode to access the Stored Value account or card.

Datatype: "CardDataReading8Code" on page 1033

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

11.4.2.4.4.6.5.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

11.4.2.4.4.6.5.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.4.6.6 Receipt <Rct>

Presence: [0..*]

Definition: Receipt to print after a balance inquiry.

Receipt <Rct> contains the following elements (see ["PaymentReceipt6" on page 804](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | DocumentQualifier <DocQflr> | [1..1] | CodeSet | | 804 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 805 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 805 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 805 |

11.4.2.4.4.7 LoyaltyResponse <LltyRspn>

Presence: [0..1]

Definition: Response data to a loyalty service request.

LoyaltyResponse <LltyRspn> contains the following **LoyaltyResponse3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 441 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 441 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 442 |
| | Result <Rs/t> | [0..*] | | | 442 |
| | Account <Acct> | [1..1] | ± | | 442 |
| | Amount <Amt> | [0..1] | | | 443 |
| | Unit <Unit> | [0..1] | CodeSet | | 443 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 443 |
| | Amount <Amt> | [1..1] | Amount | | 444 |
| | ServerData <SvrData> | [0..1] | | | 444 |
| | LoyaltyServerIdentification <LltySvrld> | [0..1] | Text | | 444 |
| | ApprovalCode <ApprvCd> | [0..1] | Text | | 444 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 444 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 445 |
| | Rebates <Rbts> | [0..1] | | | 445 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 445 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 445 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 445 |
| | SaleItem <SaleItm> | [1..1] | ± | | 446 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 446 |

11.4.2.4.4.7.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.7.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: POI identification of the transaction in an unambiguous way.

POITransactionIdentification <POITxId> contains the following elements (see "["TransactionIdentifier1" on page 931](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.7.3 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.7.4 Result <RsIt>

Presence: [0..*]

Definition: Data related to the result of a processed loyalty transaction.

Result <RsIt> contains the following **LoyaltyResult3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 442 |
| | Amount <Amt> | [0..1] | | | 443 |
| | Unit <Unit> | [0..1] | CodeSet | | 443 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 443 |
| | Amount <Amt> | [1..1] | Amount | | 444 |
| | ServerData <SvrData> | [0..1] | | | 444 |
| | LoyaltyServerIdentification <LLtySvrlId> | [0..1] | Text | | 444 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 444 |
| | LoyaltyTransactionIdentification <LLtyTxId> | [0..1] | ± | | 444 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 445 |
| | Rebates <Rbts> | [0..1] | | | 445 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 445 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 445 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 445 |
| | SaleItem <Saleitm> | [1..1] | ± | | 446 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 446 |

11.4.2.4.4.7.4.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------|--------|---------|-------------|------|
| | LoyaltyIdentification <LtyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

11.4.2.4.4.7.4.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

Amount <Amt> contains the following **LoyaltyAmount1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 443 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 443 |
| | Amount <Amt> | [1..1] | Amount | | 444 |

11.4.2.4.4.7.4.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: "[AmountUnit1Code](#)" on page 1026

| CodeName | Name | Definition |
|----------|----------|--|
| MONE | Monetary | The amount is expressed in a monetary value in a currency. |
| POIN | Point | The amount is expressed in point. |

11.4.2.4.4.7.4.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: C1 "ActiveCurrency"

Datatype: "[ActiveCurrencyCode](#)" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

11.4.2.4.7.4.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.7.4.3 ServerData <SrvData>

Presence: [0..1]

Definition: Data sent by the Loyalty server.

ServerData <SrvData> contains the following **LoyaltyServerData1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|------|-------------|------|
| | LoyaltyServerIdentification <LLtysvrlId> | [0..1] | Text | | 444 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 444 |
| | LoyaltyTransactionIdentification <LLityTxId> | [0..1] | ± | | 444 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 445 |

11.4.2.4.7.4.3.1 LoyaltyServerIdentification <LLtysvrlId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.7.4.3.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: ["Min6Max8Text" on page 1091](#)

11.4.2.4.7.4.3.3 LoyaltyTransactionIdentification <LLityTxId>

Presence: [0..1]

Definition: Identification of the Loyalty transaction in an unambiguous way.

LoyaltyTransactionIdentification <LLtTxId> contains the following elements (see "TransactionIdentifier1" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.7.4.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: "Max35Text" on page 1088

11.4.2.4.7.4.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 445 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 445 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 445 |
| | SaleItem <Saleitm> | [1..1] | ± | | 446 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 446 |

11.4.2.4.7.4.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.4.7.4.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "Max35Text" on page 1088

11.4.2.4.7.4.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

Definition: Amount of the payment transaction related to the Loyalty.

SaleItemRebate <SaleItmRbt> contains the following **SaleItemRebate1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|------|-------------|------|
| | SaleItem <SaleItm> | [1..1] | ± | | 446 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 446 |

11.4.2.4.4.7.4.4.3.1 SaleItem <SaleItm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <SaleItm> contains the following elements (see "[Product6](#)" on page 920 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | ItemIdentification <ItmId> | [0..1] | Text | | 921 |
| | ProductCode <PdctCd> | [1..1] | Text | | 921 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 921 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 921 |
| | ProductQuantity <PdctQty> | [0..1] | Quantity | | 923 |
| | UnitPrice <UnitPric> | [0..1] | Amount | | 923 |
| | UnitPriceSign <UnitPricSgn> | [0..1] | Indicator | | 923 |
| | ProductAmount <PdctAmt> | [1..1] | Amount | | 924 |
| | ProductAmountSign <PdctAmtSgn> | [0..1] | Indicator | | 924 |
| | ValueAddedTax <ValAddedTax> | [0..1] | Amount | | 924 |
| | TaxType <TaxTp> | [0..1] | Text | | 924 |
| | ProductDescription <PdctDesc> | [0..1] | Text | | 924 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 924 |
| | DeliveryService <DlvrySvc> | [0..1] | CodeSet | | 924 |
| | SaleChannel <SaleChnl> | [0..1] | Text | | 925 |
| | AdditionalProductDescription <AddtlPdctDesc> | [0..1] | Text | | 925 |

11.4.2.4.4.7.4.4.3.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: "[Max35Text](#)" on page 1088

11.4.2.4.4.8 StoredValueResponse <StordValRspn>

Presence: [0..1]

Definition: Response data to a Stored Value request.

StoredValueResponse <StordValRspn> contains the following **StoredValueResponse7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 447 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 448 |
| | Result <Rs/t> | [0..*] | | | 448 |
| | Provider <Prvdr> | [0..1] | Text | | 449 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 449 |
| | AccountIdentification <AcctId> | [0..1] | | | 450 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 450 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 451 |
| | Identification <Id> | [0..1] | Text | | 451 |
| | Brand <Brnd> | [0..1] | Text | | 452 |
| | Provider <Prvdr> | [0..1] | Text | | 452 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 452 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 452 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 452 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 453 |
| | Balance <Bal> | [0..1] | Amount | | 453 |
| | OriginalPOITransaction <Orgn/POITx> | [0..1] | ± | | 453 |
| | ProductCode <PdctCd> | [0..1] | Text | | 458 |
| | EANUPC <EANUPC> | [0..1] | Text | | 458 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 458 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 458 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 459 |
| | Receipt <Rct> | [0..*] | ± | | 459 |

11.4.2.4.4.8.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.8.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.8.3 Result <RsIt>

Presence: [0..*]

Definition: Result of loading/reloading a stored value card.

Result <RsIt> contains the following **StoredValueData7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Provider <Prvdr> | [0..1] | Text | | 449 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 449 |
| | AccountIdentification <AcctId> | [0..1] | | | 450 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 450 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 451 |
| | Identification <Id> | [0..1] | Text | | 451 |
| | Brand <Brnd> | [0..1] | Text | | 452 |
| | Provider <Prvdr> | [0..1] | Text | | 452 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 452 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 452 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 452 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 453 |
| | Balance <Bal> | [0..1] | Amount | | 453 |
| | OriginalPOITransaction <OrgnlPOITx> | [0..1] | ± | | 453 |
| | ProductCode <PdctCd> | [0..1] | Text | | 458 |
| | EANUPC <EANUPC> | [0..1] | Text | | 458 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 458 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 458 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 459 |

11.4.2.4.4.8.3.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identification of the provider of the stored value account load/reload.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.2 TransactionType <TxTp>

Presence: [1..1]

Definition: Identification of operation to proceed on the stored value account or the stored value card.

Datatype: "StoredValueTransactionType3Code" on page 1073

| CodeName | Name | Definition |
|----------|-----------|---|
| ACTV | Activate | Activate the account or the card. |
| DUPL | Duplicate | Duplicate the code or number provided by the loading or activation. |

| CodeName | Name | Definition |
|----------|--------------|--|
| LOAD | Load | Load the account or the card with money. |
| RESV | Reserve | Reserve the account (e.g. get an activation code). |
| REVS | Reverse | Reverse an activation or loading. |
| ULOA | Unload | Unload the account. |
| CLOS | CloseAccount | Close the account. |
| DCTV | Deactivate | Deactivate the account or the card. |
| OPEN | OpenAccount | Open the account. |
| BALC | Balance | Balance enquiry. |

11.4.2.4.4.8.3.3 AccountIdentification <AcctId>

Presence: [0..1]

Definition: Identification of the stored value account or the stored value card.

AccountIdentification <AcctId> contains the following **StoredValueAccount2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AccountType <AcctTp> | [0..1] | CodeSet | | 450 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 451 |
| | Identification <Id> | [0..1] | Text | | 451 |
| | Brand <Brnd> | [0..1] | Text | | 452 |
| | Provider <Prvdr> | [0..1] | Text | | 452 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 452 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 452 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 452 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 453 |
| | Balance <Bal> | [0..1] | Amount | | 453 |

11.4.2.4.4.8.3.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

| CodeName | Name | Definition |
|----------|--------------------|--|
| BNKA | BankPrepaidAccount | Prepaid account managed by a financial institution for low income customers. |
| CWVC | CarwashVoucher | Car wash specific account. |

| CodeName | Name | Definition |
|-----------------|------------------------|--|
| CPYA | CompanyPrepaidAccount | Specific prepaid account for companies or professionals expenses. |
| ELMY | ElectronicMoneyAccount | Account supporting e-money issued by an electronic money issuer. |
| GIFT | GiftCard | Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once. |
| GCER | GiftCertificate | Certificate to be given to a customer. Usually one shot voucher. |
| MLVC | MealVoucher | Meal and check voucher for restaurants. |
| OLVC | OnlineVoucher | Voucher that can be used online once or in several times. |
| MERC | MerchantAccount | Prepaid account open with a merchant or big retailers. |
| OTHR | OtherPrepaidAccount | Other non listed stored value instrument. |
| PHON | PhoneCard | Stored value instrument used to pay telephone services (e.g. card or identifier). |
| CARD | SmartCardTag | Stored value account hold on the chip of a smart card. |
| TRVL | Travel | Travel prepaid account. |

11.4.2.4.8.3.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: ["CardIdentificationType1Code" on page 1034](#)

| CodeName | Name | Definition |
|-----------------|--------------------------------|--|
| ACCT | AccountNumber | Account identification. |
| BARC | BarCode | Bar-code with a specific form of identification. |
| ISO2 | ISOTrack2 | ISO Track 2 including identification. |
| PHON | PhoneNumber | A phone number identifies the account on which the phone card is assigned. |
| CPAN | PrimaryAccountNumber | Standard card identification (card number). |
| PRIV | PrivativeNumbering | An identification set by a privative application. |
| UUID | UniversalUniquelIdentification | A Universal Unique Identification code is set for identification. |

11.4.2.4.8.3.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

11.4.2.4.4.8.3.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

11.4.2.4.4.8.3.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

11.4.2.4.4.8.3.3.8 EntryMode <NtryMd>

Presence: [0..1]

Definition: Standard or last entry mode to access the Stored Value account or card.

Datatype: "CardDataReading8Code" on page 1033

| CodeName | Name | Definition |
|----------|--------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

11.4.2.4.4.8.3.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

11.4.2.4.4.8.3.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.4.8.3.4 OriginalPOITransaction <OrgnPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnPOITx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | TransactionCapture <TxCaptr> | [0..1] | Indicator | | 713 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 713 |
| | AdditionalService <AddtlSvc> | [0..*] | CodeSet | | 714 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 714 |
| | LastTransactionFlag <LastTxFlg> | [0..1] | Indicator | | 715 |
| | MerchantCategoryCode <MrchntCtgyCd> | [0..1] | Text | | 715 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 715 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 715 |
| | OriginalTransaction <OrgnTx> | [0..1] | | | 716 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 718 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 718 |
| | POIIdentification <POId> | [1..1] | ± | | 718 |
| | CurrencyConversion <CcyConvs> | [0..1] | | | 718 |
| | Result <Rslt> | [1..1] | CodeSet | | 721 |
| | ResultReason <RsltRsn> | [0..1] | Text | | 721 |
| | ConversionDetails <ConvsDtls> | [0..*] | | | 721 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 723 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 723 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <Dcm> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 724 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 724 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 724 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 724 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 724 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 724 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 724 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |
| | Decimal <DcmI> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 725 |
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 726 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 727 |
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 727 |
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | DeclarationDetails <DclrtnDtls> | [0..*] | ± | | 727 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 728 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 728 |
| | IssuerCITIdentification <IssrCITId> | [0..1] | Text | | 728 |
| | MerchantCITIdentification <MrchntCITId> | [0..1] | Text | | 728 |
| | TransactionDetails <TxDtls> | [1..1] | | | 729 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 732 |
| | TotalAmount <TtlAmt> | [1..1] | Amount | | 732 |
| | CumulativeAmount <CmltvAmt> | [0..1] | Amount | | 732 |
| | AmountQualifier <AmtQlfr> | [0..1] | CodeSet | | 732 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 732 |
| | RequestedAmount <ReqdAmt> | [0..1] | Amount | | 733 |
| | AuthorisedAmount <AuthrsdAmt> | [0..1] | Amount | | 733 |
| | InvoiceAmount <InvcAmt> | [0..1] | Amount | | 733 |
| | ValidityDate <VldtyDt> | [0..1] | Date | | 733 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | OnLineReason <OnLineRsn> | [0..*] | CodeSet | | 733 |
| | UnattendedLevelCategory <UattnndLvlCtgy> | [0..1] | Text | | 734 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 734 |
| | CurrencyConversionResult <CcyConvsRslt> | [0..1] | | | 735 |
| | AcceptedByCardholder <AccptdByCrdhldr> | [0..1] | Indicator | | 737 |
| | Conversion <Convs> | [0..1] | | | 737 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 739 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 739 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <Dcm/> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 740 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 740 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 740 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 740 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 740 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 740 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 740 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <Dcm/> | [0..1] | Quantity | | 741 |
| | Name <Nm> | [0..1] | Text | | 741 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 741 |
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 742 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 743 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 743 |
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 743 |
| | Instalment <Instlmt> | [0..*] | ± | | 744 |
| | Recurring <Rcrng> | [0..1] | ± | | 745 |
| | AggregationTransaction <AggtnTx> | [0..1] | ± | | 746 |
| | ProductCodeSetIdentification <PdctCdSetId> | [0..1] | Text | | 746 |
| | SaleItem <Saleitm> | [0..*] | ± | | 746 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 747 |
| | ReSubmissionCounter <ReSubmissnCntr> | [0..1] | Quantity | | 747 |
| | CompletionSequenceNumber <CmpltnSeqNb> | [0..1] | Quantity | | 747 |
| | CompletionSequenceCounter <CmpltnSeqCntr> | [0..1] | Quantity | | 747 |
| | TotalAuthorisedAmount <TtlAuthrsdAmt> | [0..1] | Amount | | 748 |
| | AdditionalInformation <AddtlInf> | [0..*] | | | 748 |
| | Identification <Id> | [1..1] | Text | | 748 |
| | Value <Val> | [0..1] | Binary | | 748 |
| | ProtectedValue <PrctdVal> | [0..1] | ± | | 748 |
| | Type <Tp> | [0..1] | Text | | 749 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 749 |
| | AuthorisationResult <AuthstnRslt> | [0..1] | | | 749 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 749 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 750 |
| | Response <Rspn> | [1..1] | CodeSet | | 750 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 750 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 751 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 751 |
| | MerchantReferenceData <MrchntRefData> | [0..1] | Text | | 751 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 751 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CustomerToken <CstmrTkn> | [0..1] | ± | | 751 |
| | CustomerConsent <CstmrCnsnt> | [0..1] | Indicator | | 752 |
| | CardProgrammeProposed <CardPrgrmmPropsd> | [0..*] | Text | | 752 |
| | CardProgrammeApplied <CardPrgrmmApId> | [0..1] | Text | | 752 |
| | SaleToPOIData <SaleToPOIData> | [0..1] | Text | | 752 |
| | SaleToAcquirerData <SaleToAcqrrData> | [0..1] | Text | | 753 |
| | SaleToIssuerData <SaleTolssrData> | [0..1] | Text | | 753 |
| | AdditionalTransactionData <AddtlTxData> | [0..*] | Text | | 753 |

11.4.2.4.4.8.3.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of item purchased with the transaction.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.8.3.6 EANUPC <EANUPC>

Presence: [0..1]

Definition: Standard European Article Number Universal Product Code of item purchased with the transaction.

Datatype: ["Max35NumericText" on page 1088](#)

11.4.2.4.4.8.3.7 ItemAmount <ItmAmt>

Presence: [0..1]

Definition: Total amount of the item line.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.4.8.3.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the monetary amount.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

11.4.2.4.4.8.3.9 HostTransactionIdentification <HstTxId>

Presence: [0..1]

Definition: Identification of the transaction by the host in charge of the stored value transaction.

HostTransactionIdentification <HstTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.8.4 Receipt <Rct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

Receipt <Rct> contains the following elements (see "[PaymentReceipt6](#)" on page 804 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 804 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 805 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 805 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 805 |

11.4.2.4.4.9 BatchResponse <BtchRspn>

Presence: [0..1]

Definition: Content of the Batch Response message.

BatchResponse <BtchRspn> contains the following **BatchResponse6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | SaleBatchIdentification <SaleBtchId> | [0..1] | ± | | 460 |
| | POIBatchIdentification <POIBtchId> | [0..1] | ± | | 461 |
| | PerformedTransaction <PrfrmtdTx> | [0..*] | | | 461 |
| | Response <Rspn> | [1..1] | ± | | 462 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 463 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 463 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 463 |
| | PaymentResult <PmtRslt> | [0..1] | ± | | 463 |
| | LoyaltyResult <LityRslt> | [0..*] | | | 466 |
| | Account <Acct> | [1..1] | ± | | 467 |
| | Amount <Amt> | [0..1] | | | 468 |
| | Unit <Unit> | [0..1] | CodeSet | | 468 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 468 |
| | Amount <Amt> | [1..1] | Amount | | 468 |
| | ServerData <SvrData> | [0..1] | | | 468 |
| | LoyaltyServerIdentification <LitySvrlId> | [0..1] | Text | | 469 |
| | ApprovalCode <ApprvICd> | [0..1] | Text | | 469 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 469 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 469 |
| | Rebates <Rbts> | [0..1] | | | 469 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 470 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 470 |
| | SaleItem <Saleitm> | [1..1] | ± | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 471 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 471 |

11.4.2.4.4.9.1 SaleBatchIdentification <SaleBtchId>

Presence: [0..1]

Definition: Sale System identification of the batch in an unambiguous way.

SaleBatchIdentification <SaleBtchId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.9.2 POIBatchIdentification <POIBtchId>

Presence: [0..1]

Definition: POI identification of the batch in an unambiguous way.

POIBatchIdentification <POIBtchId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.9.3 PerformedTransaction <PrfrmtdTx>

Presence: [0..*]

Definition: Performed transaction content.

PerformedTransaction <PrfrmTx> contains the following **PerformedTransaction6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | ± | | 462 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 463 |
| | POITransactionIdentification <POITxId> | [0..1] | ± | | 463 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 463 |
| | PaymentResult <PmtRslt> | [0..1] | ± | | 463 |
| | LoyaltyResult <LityRslt> | [0..*] | | | 466 |
| | Account <Acct> | [1..1] | ± | | 467 |
| | Amount <Amt> | [0..1] | | | 468 |
| | Unit <Unit> | [0..1] | CodeSet | | 468 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 468 |
| | Amount <Amt> | [1..1] | Amount | | 468 |
| | ServerData <SvrData> | [0..1] | | | 468 |
| | LoyaltyServerIdentification <LitySvrld> | [0..1] | Text | | 469 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 469 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 469 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 469 |
| | Rebates <Rbts> | [0..1] | | | 469 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 470 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 470 |
| | SaleItem <Saleitm> | [1..1] | ± | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 471 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 471 |

11.4.2.4.4.9.3.1 Response <Rspn>

Presence: [1..1]

Definition: Response for this performed transaction.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 911 |

11.4.2.4.4.9.3.2 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Unique identification of a sale transaction.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.9.3.3 POITransactionIdentification <POITxId>

Presence: [0..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.9.3.4 POIReconciliationIdentification <POIRcnclnld>

Presence: [0..1]

Definition: Identification of the POI reconciliation period.

Datatype: "[Max35Text](#)" on page 1088

11.4.2.4.4.9.3.5 PaymentResult <PmtRslt>

Presence: [0..1]

Definition: Data related to the result of a processed payment transaction.

PaymentResult <PmtRslt> contains the following elements (see "[RetailerPaymentResult6](#)" on page 764 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | TransactionType <TxTp> | [1..1] | CodeSet | | 767 |
| | AdditionalService <AddtlSvc> | [0..*] | CodeSet | | 768 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 769 |
| | RequestedTransaction <ReqdTx> | [0..1] | ± | | 769 |
| | TransactionResponse <TxRspn> | [0..1] | | | 774 |
| | AuthorisationResult <AuthstnRslt> | [1..1] | | | 777 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 777 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 778 |
| | Response <Rspn> | [1..1] | CodeSet | | 778 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 778 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 778 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 778 |
| | CompletionRequired <CmpltnReqrds> | [0..1] | Indicator | | 778 |
| | TMSTrigger <TMSTrggr> | [0..1] | | | 779 |
| | TMSContactLevel <TMSCtctLvl> | [1..1] | CodeSet | | 779 |
| | TMSIdentification <TMSId> | [0..1] | Text | | 779 |
| | TMSContactDateTime <TMSCtctDtTm> | [0..1] | DateTime | | 779 |
| | AllowedProductCode <AllwdPdctCd> | [0..*] | | | 779 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | NotAllowedProductCode <NotAllwdPdctCd> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | AdditionalAvailableProduct <AddtlAvlblPdct> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 781 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 781 |
| | AmountLimit <AmtLmt> | [0..1] | Amount | | 781 |
| | QuantityLimit <QtyLmt> | [0..1] | Quantity | | 781 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 781 |
| | Balance <Bal> | [0..1] | ± | | 783 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | ProtectedBalance <PrtctdBal> | [0..1] | ± | | 783 |
| | Action <Actn> | [0..*] | | | 784 |
| | ActionType <ActnTp> | [1..1] | CodeSet | | 784 |
| | MessageToPresent <MsgToPres> | [0..1] | ± | | 785 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 786 |
| | Retry <Rtry> | [0..1] | ± | | 786 |
| | TimeCondition <TmCond> | [0..1] | ± | | 786 |
| | CurrencyConversionEligibility <CcyConvsElgbtly> | [0..1] | | | 787 |
| | CurrencyConversionIdentification <CcyConvslD> | [0..1] | Text | | 789 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 789 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 789 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 789 |
| | Decimal <DcmI> | [1..1] | Quantity | | 789 |
| | Name <Nm> | [0..1] | Text | | 790 |
| | ResultingAmount <RsItgAmt> | [0..1] | Amount | | 790 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 790 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 790 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 790 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 790 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 790 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 790 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 791 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 791 |
| | Decimal <DcmI> | [0..1] | Quantity | | 791 |
| | Name <Nm> | [0..1] | Text | | 791 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 791 |
| | LowerBin <LwrBin> | [1..1] | Text | | 792 |
| | HigherBin <HghrBin> | [1..1] | Text | | 792 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 792 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 792 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 792 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 792 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 793 |
| | Amount <Amt> | [1..1] | Amount | | 793 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 793 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 793 |
| | Rate <Rate> | [1..1] | Rate | | 793 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 793 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 793 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 794 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 795 |
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 795 |
| | ImageData <ImgData> | [0..1] | Binary | | 795 |
| | ImageReference <ImgRef> | [0..1] | Text | | 796 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 796 |
| | ProtectedCapturedSignature <PrtctdCaptrdSgntr> | [0..1] | ± | | 796 |
| | MerchantOverrideFlag <MrchntOvrrdFlg> | [0..1] | Indicator | | 796 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C6 | 796 |
| | OnlineFlag <OnlnFlg> | [0..1] | Indicator | | 796 |

11.4.2.4.4.9.3.6 LoyaltyResult <LltyRslt>

Presence: [0..*]

Definition: Data related to the result of a processed Loyalty transaction.

LoyaltyResult <LltyRslt> contains the following **LoyaltyResult3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 467 |
| | Amount <Amt> | [0..1] | | | 468 |
| | Unit <Unit> | [0..1] | CodeSet | | 468 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 468 |
| | Amount <Amt> | [1..1] | Amount | | 468 |
| | ServerData <SrvData> | [0..1] | | | 468 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 469 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 469 |
| | LoyaltyTransactionIdentification <LltyTxld> | [0..1] | ± | | 469 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 469 |
| | Rebates <Rbts> | [0..1] | | | 469 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 470 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 470 |
| | SaleItem <SaleItm> | [1..1] | ± | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 471 |

11.4.2.4.4.9.3.6.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | LoyaltyIdentification <LltyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

11.4.2.4.4.9.3.6.2 Amount <Amt>

Presence: [0..1]

Definition: Amount.

Amount <Amt> contains the following **LoyaltyAmount1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 468 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 468 |
| | Amount <Amt> | [1..1] | Amount | | 468 |

11.4.2.4.4.9.3.6.2.1 Unit <Unit>

Presence: [0..1]

Definition: Unit type for the amount.

Datatype: ["AmountUnit1Code" on page 1026](#)

| CodeName | Name | Definition |
|----------|----------|--|
| MONE | Monetary | The amount is expressed in a monetary value in a currency. |
| POIN | Point | The amount is expressed in point. |

11.4.2.4.4.9.3.6.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount is Unit is Monetary.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

11.4.2.4.4.9.3.6.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.4.9.3.6.3 ServerData <SvrData>

Presence: [0..1]

Definition: Data sent by the Loyalty server.

ServerData <SvrData> contains the following **LoyaltyServerData1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|------|-------------|------|
| | LoyaltyServerIdentification <LLtSvrlId> | [0..1] | Text | | 469 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 469 |
| | LoyaltyTransactionIdentification <LLtTxId> | [0..1] | ± | | 469 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 469 |

11.4.2.4.4.9.3.6.3.1 LoyaltyServerIdentification <LLtSvrlId>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.9.3.6.3.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: ["Min6Max8Text" on page 1091](#)

11.4.2.4.4.9.3.6.3.3 LoyaltyTransactionIdentification <LLtTxId>

Presence: [0..1]

Definition: Identification of the Loyalty transaction in an unambiguous way.

LoyaltyTransactionIdentification <LLtTxId> contains the following elements (see ["TransactionIdentifier1" on page 931](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.9.3.6.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.9.3.6.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 470 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 470 |
| | SaleItem <Saleitm> | [1..1] | ± | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 471 |

11.4.2.4.4.9.3.6.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.4.9.3.6.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.9.3.6.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

Definition: Amount of the payment transaction related to the Loyalty.

SaleItemRebate <SaleitmRbt> contains the following **SaleItemRebate1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|------|-------------|------|
| | SaleItem <Saleitm> | [1..1] | ± | | 470 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 471 |

11.4.2.4.4.9.3.6.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <SaleItm> contains the following elements (see "[Product6](#)" on page 920 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | ItemIdentification <ItmId> | [0..1] | Text | | 921 |
| | ProductCode <PdctCd> | [1..1] | Text | | 921 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 921 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 921 |
| | ProductQuantity <PdctQty> | [0..1] | Quantity | | 923 |
| | UnitPrice <UnitPric> | [0..1] | Amount | | 923 |
| | UnitPriceSign <UnitPricSgn> | [0..1] | Indicator | | 923 |
| | ProductAmount <PdctAmt> | [1..1] | Amount | | 924 |
| | ProductAmountSign <PdctAmtSgn> | [0..1] | Indicator | | 924 |
| | ValueAddedTax <ValAddedTax> | [0..1] | Amount | | 924 |
| | TaxType <TaxTp> | [0..1] | Text | | 924 |
| | ProductDescription <PdctDesc> | [0..1] | Text | | 924 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 924 |
| | DeliveryService <DlvrySvc> | [0..1] | CodeSet | | 924 |
| | SaleChannel <SaleChnl> | [0..1] | Text | | 925 |
| | AdditionalProductDescription <AddtlPdctDesc> | [0..1] | Text | | 925 |

11.4.2.4.4.9.3.6.4.3.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.9.3.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount of the payment or loyalty to reverse.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.4.4.10 CardAcquisitionResponse <CardAcqstnRspn>

Presence: [0..1]

Definition: Content of the Card Acquisition Response message.

CardAcquisitionResponse <CardAcqstnRspn> contains the following **CardAcquisitionResponse3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 472 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 472 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 472 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 472 |
| | LoyaltyAccount <LltyAcct> | [0..*] | ± | | 473 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 473 |

11.4.2.4.4.10.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "["TransactionIdentifier1" on page 931](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.10.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see "["TransactionIdentifier1" on page 931](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

11.4.2.4.4.10.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.4.4.10.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: [C7 "ValidationByTable"](#)

Datatype: "LanguageCode" on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

11.4.2.4.4.10.5 LoyaltyAccount <LltyAcct>

Presence: [0..]*

Definition: Loyalty account information.

LoyaltyAccount <LltyAcct> contains the following elements (see "["LoyaltyAccount3" on page 907](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|---------|-------------|------|
| | LoyaltyIdentification <LltyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

11.4.2.4.4.10.6 CustomerOrder <CstmrOrdr>

Presence: [0..]*

Definition: Customer order attached to a customer, recorded in the POI system.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | CustomerOrderIdentification <CstmrOrdrId> | [1..1] | Text | | 912 |
| | SaleReferenceIdentification <SaleRefId> | [1..1] | Text | | 912 |
| | OpenOrderState <OpnOrdrStat> | [0..1] | Indicator | | 913 |
| | StartDate <StartDt> | [1..1] | DateTime | | 913 |
| | EndDate <EndDt> | [0..1] | DateTime | | 913 |
| | Unit <Unit> | [0..1] | CodeSet | | 913 |
| | ForecastedAmount <FrcstdAmt> | [1..1] | Amount | | 913 |
| | CurrentAmount <CurAmt> | [0..1] | Amount | | 913 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 913 |
| | AccessedBy <AccsdBy> | [0..1] | Text | | 914 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 914 |

11.4.2.4.4.11 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInfr> | [0..1] | Text | | 911 |

11.4.2.4.4.12 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: [C6 "SupplementaryDataRule"](#)

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

11.4.2.5 ReportGetTotalsResponse <RptGetTtlRsps>

Presence: [0..1]

Definition: Content of the Get Totals Response message.

ReportGetTotalsResponse <RptGetTtlsRspn> contains the following **ReportGetTotalsResponse1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | POIReconciliationIdentification <POIRcncltnId> | [1..1] | Text | | 477 |
| | TransactionTotalsSet <TxTtlsSet> | [0..*] | | | 477 |
| | PaymentInstrumentType <PmtlnstrmTp> | [1..1] | CodeSet | | 479 |
| | AcquirerIdentification <AcqrrId> | [0..1] | Text | | 479 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 479 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 479 |
| | Brand <Brnd> | [0..1] | Text | | 479 |
| | POIIdentification <POIId> | [0..1] | Text | | 479 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 480 |
| | CashierIdentification <CshrlId> | [0..1] | Text | | 480 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 480 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 480 |
| | CommonName <CmonNm> | [1..1] | Text | | 480 |
| | Address <Adr> | [0..1] | Text | | 480 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 480 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 481 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 481 |
| | TransactionTotal <TxTtl> | [1..1] | | | 481 |
| | POIGroupIdentification <POIGrpld> | [0..1] | Text | | 481 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 481 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 481 |
| | Type <Tp> | [1..1] | CodeSet | | 482 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 482 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 482 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 482 |
| | LoyaltyTransactionTotal <LltyTxTtl> | [0..*] | | | 483 |
| | POIGroupIdentification <POIGrpld> | [0..1] | Text | | 483 |
| | LoyaltyUnit <LltyUnit> | [0..1] | CodeSet | | 483 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 484 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 484 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | TransactionType <TxTp> | [1..1] | CodeSet | | 484 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 484 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 485 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 485 |

11.4.2.5.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [1..1]

Definition: Identification of the reconciliation period between Sale and POI.

Datatype: "Max35Text" on page 1088

11.4.2.5.2 TransactionTotalsSet <TxTtlSet>

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 <PmtnstrmTp> | [1..1] | CodeSet | | 479 |
| | AcquirerIdentification <AcqrrId> | [0..1] | Text | | 479 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 479 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 479 |
| | Brand <Brnd> | [0..1] | Text | | 479 |
| | POIIdentification <POIId> | [0..1] | Text | | 479 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 480 |
| | CashierIdentification <CshrlId> | [0..1] | Text | | 480 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 480 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 480 |
| | CommonName <CmonNm> | [1..1] | Text | | 480 |
| | Address <Adr> | [0..1] | Text | | 480 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 480 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 481 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 481 |
| | TransactionTotal <TxTtl> | [1..1] | | | 481 |
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 481 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 481 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 481 |
| | Type <Tp> | [1..1] | CodeSet | | 482 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 482 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 482 |
| | DetailedAmount <DtlAmt> | [0..1] | ± | | 482 |
| | LoyaltyTransactionTotal <LityTxTtl> | [0..*] | | | 483 |
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 483 |
| | LoyaltyUnit <LityUnit> | [0..1] | CodeSet | | 483 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 484 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 484 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 484 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 484 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 485 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|------|-------------|------|
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 485 |

11.4.2.5.2.1 PaymentInstrumentType <PmtInstrmTp>

Presence: [1..1]

Definition: Type of payment instrument.

Datatype: "PaymentInstrumentType1Code" on page 1055

| CodeName | Name | Definition |
|----------|--------------------|--|
| CARD | Card | Payment card (credit or debit). |
| CASH | Cash | Cash managed by a cash handling system. |
| CHCK | Check | Paper check. |
| LOYT | LoyaltyAccount | Account using loyalty processing. |
| SVAC | StoredValueAccount | Account accessed by a stored value instrument such as a card or a certificate. |

11.4.2.5.2.2 AcquirerIdentification <AcqrrId>

Presence: [0..1]

Definition: Identification of an Acquirer.

Datatype: "Max35Text" on page 1088

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 1088

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 1088

11.4.2.5.2.5 Brand <Brnd>

Presence: [0..1]

Definition: Brand of payment card or loyalty system.

Datatype: "Max35Text" on page 1088

11.4.2.5.2.6 POIIdentification <POId>

Presence: [0..1]

Definition: Identifier of the POI system performing a reconciliation.

Datatype: "Max35Text" on page 1088

11.4.2.5.2.7 SaleIdentification <SaleId>

Presence: [0..1]

Definition: Identification of the sale terminal (electronic cash register or point of sale terminal) or the sale system.

Datatype: "Max35Text" on page 1088

11.4.2.5.2.8 CashierIdentification <CshrlId>

Presence: [0..1]

Definition: Identification of the cashier who carried out the transactions.

Datatype: "Max35Text" on page 1088

11.4.2.5.2.9 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max2NumericText" on page 1087

11.4.2.5.2.10 SponsoredMerchant <SpnsrdMrchnt>

Presence: [0..*]

Definition: Merchant using the payment services of a payment facilitator, acting as a card acceptor.

SponsoredMerchant <SpnsrdMrchnt> contains the following **Organisation26** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | CommonName <CmonNm> | [1..1] | Text | | 480 |
| | Address <Adr> | [0..1] | Text | | 480 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 480 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 481 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 481 |

11.4.2.5.2.10.1 CommonName <CmonNm>

Presence: [1..1]

Definition: Name of the merchant.

Datatype: "Max70Text" on page 1090

11.4.2.5.2.10.2 Address <Adr>

Presence: [0..1]

Definition: Location of the merchant.

Datatype: "Max140Text" on page 1086

11.4.2.5.2.10.3 CountryCode <CtryCd>

Presence: [1..1]

Definition: Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 1047

11.4.2.5.2.10.4 MerchantCategoryCode <MrchntCtgyCd>

Presence: [1..1]

Definition: Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

Datatype: "Min3Max4Text" on page 1091

11.4.2.5.2.10.5 RegisteredIdentifier <Regdldr>

Presence: [1..1]

Definition: Identifier of the sponsored merchant assigned by the payment facilitator of their acquirer.

Datatype: "Max35Text" on page 1088

11.4.2.5.2.11 TransactionTotal <TxTtl>

Presence: [1..1]

Definition: Payment Transaction totals during the reconciliation period, for a certain type of transaction.

TransactionTotal <TxTtl> contains the following **TransactionTotals8** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 481 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 481 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 481 |
| | Type <Tp> | [1..1] | CodeSet | | 482 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 482 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 482 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 482 |

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 1088

11.4.2.5.2.11.2 CardProductProfile <CardPdctPrfl>

Presence: [0..1]

Definition: Category of cards related the acceptance processing rules defined by the acquirer.

Datatype: "Max35Text" on page 1088

11.4.2.5.2.11.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction totals.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

11.4.2.5.2.11.4 Type <Tp>

Presence: [1..1]

Definition: Identification of the type of transaction.

Datatype: ["TypeTransactionTotals3Code" on page 1078](#)

| CodeName | Name | Definition |
|----------|---------------|--|
| CRDT | Credit | Credit transactions (refund, account, cash service, as defined in the transaction service type). |
| CRDR | CreditReverse | Reversal of credit transactions (cancellation). |
| DEBT | Debit | Debit transactions on the cardholder account. |
| DBTR | DebitReverse | Reversal of debit transactions (cancellation). |
| DECL | Declined | Declined transactions. |
| FAIL | Failed | Failed transactions. |
| RESV | Reservation | Outstanding Reservation transactions. |

11.4.2.5.2.11.5 TotalNumber <TtINb>

Presence: [1..1]

Definition: Total number of transactions during a reconciliation period.

Datatype: ["Number" on page 1084](#)

11.4.2.5.2.11.6 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

11.4.2.5.2.11.7 DetailedAmount <DtldAmt>

Presence: [0..1]

Definition: Detailed amounts associated with the total amount of transaction.

DetailedAmount <DtIdAmt> contains the following elements (see "[DetailedAmount15](#)" on page 705 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | AmountGoodsAndServices <AmtGoodsAndSvcs> | [0..1] | Amount | | 705 |
| | CashBack <CshBck> | [0..1] | Amount | | 705 |
| | Gratuity <Grtty> | [0..1] | Amount | | 705 |
| | Fees <Fees> | [0..*] | ± | | 706 |
| | Rebate <Rbt> | [0..*] | ± | | 706 |
| | ValueAddedTax <ValAddedTax> | [0..*] | ± | | 706 |
| | Surcharge <Srchrg> | [0..*] | ± | | 706 |

11.4.2.5.2.12 LoyaltyTransactionTotal <LltyTxTtl>

Presence: [0..*]

Definition: Loyalty Transaction totals during the reconciliation period, for a certain type of transaction.

LoyaltyTransactionTotal <LltyTxTtl> contains the following **LoyaltyTransactionTotals1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | POIGroupIdentification <POIGrpId> | [0..1] | Text | | 483 |
| | LoyaltyUnit <LltyUnit> | [0..1] | CodeSet | | 483 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 484 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 484 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 484 |
| | TotalNumber <TtlNb> | [1..1] | Quantity | | 484 |
| | CumulativeAmount <CmltvAmt> | [1..1] | Amount | | 485 |
| | DetailedAmount <DtIdAmt> | [0..1] | ± | | 485 |

11.4.2.5.2.12.1 POIGroupIdentification <POIGrpId>

Presence: [0..1]

Definition: Identifier assigned by the merchant identifying a set of POI terminals performing some categories of transactions.

Datatype: "[Max35Text](#)" on page 1088

11.4.2.5.2.12.2 LoyaltyUnit <LltyUnit>

Presence: [0..1]

Definition: Unit of the amount, expressed in point or in a monetary value and a currency.

Datatype: "[AmountUnit1Code](#)" on page 1026

| CodeName | Name | Definition |
|----------|----------|--|
| MONE | Monetary | The amount is expressed in a monetary value in a currency. |
| POIN | Point | The amount is expressed in point. |

11.4.2.5.2.12.3 CardProductProfile <CardPdctPrfl>

Presence: [0..1]

Definition: Cards category related to the acceptance processing rules defined by the Loyalty provider.

Datatype: ["Max35Text" on page 1088](#)

11.4.2.5.2.12.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction totals.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

11.4.2.5.2.12.5 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of Loyalty transaction for Report.

Datatype: ["LoyaltyTypeTransactionTotals1Code" on page 1050](#)

| CodeName | Name | Definition |
|----------|-------------------|--|
| AWRD | Award | Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates. |
| REBA | Rebate | Rebate on a total amount, sale item amount, or sale items. |
| REDE | Redemption | Redemption on a loyalty account. |
| AWRR | ReverseAward | Refund of a loyalty award transaction. |
| REBR | ReverseRebate | Refund of a loyalty rebate transaction. |
| REDR | ReverseRedemption | Refund of a loyalty redemption transaction. |

11.4.2.5.2.12.6 TotalNumber <TtlNb>

Presence: [1..1]

Definition: Total number of transactions during a reconciliation period.

Datatype: "Number" on page 1084

11.4.2.5.2.12.7 CumulativeAmount <CmltvAmt>

Presence: [1..1]

Definition: Total amount of a collection of transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

11.4.2.5.2.12.8 DetailedAmount <DtldAmt>

Presence: [0..1]

Definition: Detailed amounts associated with the total amount of transactions.

DetailedAmount <DtldAmt> contains the following elements (see "[DetailedAmount15](#)" on page 705 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | AmountGoodsAndServices <AmtGoodsAndSvcs> | [0..1] | Amount | | 705 |
| | CashBack <CshBck> | [0..1] | Amount | | 705 |
| | Gratuity <Grtty> | [0..1] | Amount | | 705 |
| | Fees <Fees> | [0..*] | ± | | 706 |
| | Rebate <Rbt> | [0..*] | ± | | 706 |
| | ValueAddedTax <ValAddedTax> | [0..*] | ± | | 706 |
| | Surcharge <Srchrg> | [0..*] | ± | | 706 |

11.4.2.6 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 911 |

11.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..]*

Definition: Additional information incorporated as an extension to the message.

Impacted by: C6 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

11.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

12 casp.011.001.06 SaleToPOIAbortV06

12.1 MessageDefinition Functionality

The SaleToPOIAbort message is sent by a sale system to abort process on POI.

Outline

The SaleToPOIAbortV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. Abort

Information related to an abort request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

12.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | <i>Message root <Document> <SaleToPOIAbtr></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 489 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 489 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 490 | |
| | Exchangeldentification <XchgId> | [1..1] | Text | 490 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 491 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 491 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 491 | |
| | Traceability <Tracblt> | [0..*] | ± | 492 | |
| | Abort <Abtr> | [1..1] | | 492 | |
| | Environment <Envrt> | [1..1] | ± | 493 | |
| | Context <Cntxt> | [1..1] | ± | 499 | |
| | SystemAbort <SysAbtr> | [1..1] | | 502 | |
| | Exchangeldentification <XchgId> | [1..1] | Text | 502 | |
| | AbortReason <AbtrRsn> | [1..1] | Text | 502 | |
| | DisplayOutput <DispOutpt> | [0..1] | ± | 502 | |
| | TransactionSuccess <TxSucss> | [0..1] | Indicator | 503 | |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 503 |
| | SecurityTrailer <ScyTrlr> | [0..1] | ± | | 504 |

12.3 Constraints

C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

C5 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C6 ValidationByTable

Must be a valid terrestrial language.

12.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

12.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 489 |
| | ProtocolVersion <Prtcol/Vrsn> | [1..1] | Text | | 490 |
| | Exchangeldentification <XchgId> | [1..1] | Text | | 490 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 491 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 491 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 491 |
| | Traceability <Tracblt> | [0..*] | ± | | 492 |

12.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "RetailerMessage1Code" on page 1062

| CodeName | Name | Definition |
|----------|--------------|--|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or |

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| | | software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

12.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

12.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: ["Max35Text" on page 1088](#)

12.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: "ISODateTime" on page 1081

12.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer <Issr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

12.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

12.4.1.7 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability8" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

12.4.2 Abort <Abt>

Presence: [1..1]

Definition: Information related to an abort request.

Abort <Abt> contains the following **SystemAbort7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | Environment <Envt> | [1..1] | ± | | 493 |
| | Context <Cntxt> | [1..1] | ± | | 499 |
| | SystemAbort <SysAbt> | [1..1] | | | 502 |
| | Exchangeldentification <Xchgld> | [1..1] | Text | | 502 |
| | AbortReason <AbtRsn> | [1..1] | Text | | 502 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 502 |
| | TransactionSuccess <TxSucss> | [0..1] | Indicator | | 503 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 503 |

12.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LityAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpggAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmptn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

12.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvnt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtedOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

12.4.2.3 SystemAbort <SysAbrt>

Presence: [1..1]

Definition: Body of the Abort Request message.

SystemAbort <SysAbrt> contains the following **AbortData6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | ExchangIdentification <XchgId> | [1..1] | Text | | 502 |
| | AbortReason <AbtRsn> | [1..1] | Text | | 502 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 502 |
| | TransactionSuccess <TxSucss> | [0..1] | Indicator | | 503 |

12.4.2.3.1 ExchangIdentification <XchgId>

Presence: [1..1]

Definition: Message identifier.

Datatype: ["Max35Text" on page 1088](#)

12.4.2.3.2 AbortReason <AbtRsn>

Presence: [1..1]

Definition: Reason of aborting a transaction.

Datatype: ["Max140Text" on page 1086](#)

12.4.2.3.3 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: To display an abort message to the Customer.

DisplayOutput <DispOutpt> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrccd> | [0..1] | | | 865 |
| | BarcodeType <BrccdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrccdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

12.4.2.3.4 TransactionSuccess <TxSucss>

Presence: [0..1]

Definition: Outcome of the transaction at the acceptor.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

12.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: C5 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

12.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on [page 997](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

13 casp.012.001.06 SaleToPOIEventNotificationV06

13.1 MessageDefinition Functionality

The SaleToPOIEventNotification message is sent by a POI or a sale terminal to inform the other about the happening of an event.

Outline

The SaleToPOIEventNotificationV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. EventNotification

Information related to the notification of an event.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

13.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | Message root <Document> <SaleToPOI/EvtNtfctn> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | | 507 |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 508 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 508 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 509 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 509 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 509 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 509 |
| | Traceability <Tracblt> | [0..*] | ± | | 510 |
| | EventNotification <EvtNtfctn> | [1..1] | | | 510 |
| | Environment <Envrt> | [1..1] | ± | | 511 |
| | Context <Cntxt> | [1..1] | ± | | 517 |
| | EventNotification <EvtNtfctn> | [1..1] | | | 520 |
| | RetailerEvent <RtlrEvt> | [1..1] | | | 520 |
| | EventTimeStamp <EvtTmStamp> | [1..1] | DateTime | | 521 |
| | EventToNotify <EvtToNtfy> | [1..1] | CodeSet | | 521 |
| | EventContext <EvtCntxt> | [0..1] | | | 522 |
| | ServiceType <SvcTp> | [1..1] | CodeSet | | 522 |
| | ComponentIdentification <CmpntId> | [0..1] | ± | | 525 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 527 |
| | AdditionalEventInformation <AddtlEvtInft> | [0..1] | Text | | 527 |
| | MaintenanceRequiredFlag <MntncReqrdFlg> | [0..1] | Indicator | | 527 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C6 | 528 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 528 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 529 |
| | SecurityTrailer <ScntyTrlr> | [0..1] | ± | | 529 |

13.3 Constraints

C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

C5 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C6 ValidationByTable

Must be a valid terrestrial language.

13.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

13.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 508 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 508 |
| | ExchangIdentification <XchgId> | [1..1] | Text | | 509 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 509 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 509 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 509 |
| | Traceability <Tracblt> | [0..*] | ± | | 510 |

13.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "RetailerMessage1Code" on page 1062

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

13.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

13.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: ["Max35Text" on page 1088](#)

13.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: ["ISODATETIME" on page 1081](#)

13.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see ["GenericIdentification177" on page 754](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer <Issr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNRthwrd> | [1..1] | Text | | 759 |

13.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

13.4.1.7 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "[Traceability8](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

13.4.2 EventNotification <EvtNtfctn>

Presence: [1..1]

Definition: Information related to the notification of an event.

EventNotification <EvtNtfctn> contains the following **SystemEventNotification7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Environment <Envt> | [1..1] | ± | | 511 |
| | Context <Cntxt> | [1..1] | ± | | 517 |
| | EventNotification <EvtNtfctn> | [1..1] | | | 520 |
| | RetailerEvent <RtlrEvt> | [1..1] | | | 520 |
| | EventTimeStamp <EvtTmStamp> | [1..1] | DateTime | | 521 |
| | EventToNotify <EvtToNtfy> | [1..1] | CodeSet | | 521 |
| | EventContext <EvtCntxt> | [0..1] | | | 522 |
| | ServiceType <SvcTp> | [1..1] | CodeSet | | 522 |
| | ComponentIdentification <CmpntId> | [0..1] | ± | | 525 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 527 |
| | AdditionalEventInformation <AddtlEvtInf> | [0..1] | Text | | 527 |
| | MaintenanceRequiredFlag <MntncReqrdFlg> | [0..1] | Indicator | | 527 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C6 | 528 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 528 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 529 |

13.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "[CardPaymentEnvironment80](#)" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LityAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpgAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmpn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

13.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtdOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

13.4.2.3 EventNotification <EvtNtfctn>

Presence: [1..1]

Definition: Content of the EventNotification message.

EventNotification <EvtNtfctn> contains the following EventNotificationData6 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | RetailerEvent <RtlrEvt> | [1..1] | | | 520 |
| | EventTimeStamp <EvtTmStamp> | [1..1] | DateTime | | 521 |
| | EventToNotify <EvtToNtfy> | [1..1] | CodeSet | | 521 |
| | EventContext <EvtCntxt> | [0..1] | | | 522 |
| | ServiceType <SvcTp> | [1..1] | CodeSet | | 522 |
| | ComponentIdentification <CmpntId> | [0..1] | ± | | 525 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 527 |
| | AdditionalEventInformation <AddtlEvtInf> | [0..1] | Text | | 527 |
| | MaintenanceRequiredFlag <MntncReqrdFlg> | [0..1] | Indicator | | 527 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C6 | 528 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 528 |

13.4.2.3.1 RetailerEvent <RtlrEvt>

Presence: [1..1]

Definition: Content of the Retailer Event message.

RetailerEvent <RtlrEvt> contains the following RetailerEvent6 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | EventTimeStamp <EvtTmStamp> | [1..1] | DateTime | | 521 |
| | EventToNotify <EvtToNtfy> | [1..1] | CodeSet | | 521 |
| | EventContext <EvtCntxt> | [0..1] | | | 522 |
| | ServiceType <SvcTp> | [1..1] | CodeSet | | 522 |
| | ComponentIdentification <CmpntId> | [0..1] | ± | | 525 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 527 |
| | AdditionalEventInformation <AddtlEvtInf> | [0..1] | Text | | 527 |

13.4.2.3.1.1 EventTimeStamp <EvtTmStamp>

Presence: [1..1]

Definition: Date and time of the event.

Datatype: "ISODATETIME" on page 1081

13.4.2.3.1.2 EventToNotify <EvtToNtfy>

Presence: [1..1]

Definition: Event the POI notifies to the Sale System.

Datatype: "EventToNotify2Code" on page 1042

| CodeName | Name | Definition |
|----------|---------------------|--|
| ABRT | Abort | One or several device request has been sent by the POI during the processing of a service requested by the Sale System. The processing is cancelled by the Customer or stopped by the POI. If the device response is not received by the POI, an event is sent to inform the Sale to abort internally these device requests. |
| MAIB | BeginMaintenance | Begin of POI Maintenance. |
| CRDI | CardInserted | A card is inserted in the card reader (see Input request and NotifyCardInputFlag). |
| COMP | Completed | An Abort request has been sent to abort a message which is already completed. |
| CRDR | CardRemoved | A card is removed from the card reader. |
| CUSL | CustomerLanguage | The customer has selected a different language on the POI. |
| MAIE | EndMaintenance | End of POI Maintenance. |
| INIT | Initialised | The POI Terminal or the POI System is now ready to work. |
| KEYP | KeyPressed | The customer has pressed a specific key on the POI. |
| MAIR | MaintenanceRequired | Maintenance required by the POI. |
| OODR | OutOfOrder | The POI Terminal or the POI System cannot work. |
| SADM | SaleAdmin | The POI has performed, or want to perform an automatic administrative process, e.g. the reports at the end of day. |
| SWUP | SaleWakeUp | A POI terminal requests the payment of the transaction identified by the content of EventDetails in the Event notification. |
| SECA | SecurityAlarm | Problem of security. |
| SHUT | Shutdown | The POI Terminal or the POI System is shutting down. |
| SASS | StopAssistance | When the Customer assistance is stopped, because the Customer has completed its input. |

| CodeName | Name | Definition |
|----------|---------------------|---|
| DISC | Disconnected | A disconnection occurred. |
| CNTN | Connected | Connection has been set up. |
| TNOK | TransactionApproved | Transaction has been processed and approved by the POI. |
| TNKO | TransactionDeclined | Transaction has been processed but has been declined. |

13.4.2.3.1.3 EventContext <EvtCntxt>

Presence: [0..1]

Definition: Context of the Event message.

EventContext <EvtCntxt> contains the following **EventContext6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | ServiceType <SvcTp> | [1..1] | CodeSet | | 522 |
| | ComponentIdentification <CmpntId> | [0..1] | ± | | 525 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 527 |

13.4.2.3.1.3.1 ServiceType <SvcTp>

Presence: [1..1]

Definition: Reference to the service and functions related to the event.

Datatype: ["RetailerService1Code" on page 1064](#)

| CodeName | Name | Definition |
|----------|--|---|
| DCAQ | DeviceSendApplicationProtocolDataUnitCardReaderRequest | A service to send commands to a card. |
| ADAQ | AdministrativeAdminRequest | An administrative request, to select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| ADAP | AdministrativeAdminResponse | The POI System responds to an administrative request. |
| RPAP | AdministrativeReportGetTotalsResponse | The POI System responds to a totals figures request. |
| RPAQ | AdministrativeReportGetTotalsRequest | The Sale System requests to the POI System a report on the totals figures of the POI system. |
| RPTQ | AdministrativeReportTransactionRequest | The Sale System requests to the POI System a report on a list of transactions. |
| RPTP | AdministrativeReportTransactionResponse | The POI System responds to a transaction report request. |
| SMDQ | AdministrativeSessionManagementDiagnosisRequest | The Sale System requests a session diagnosis to the POI System. |

| CodeName | Name | Definition |
|-----------------|---|--|
| SMDP | AdministrativeSessionManagementDiagnosisResponse | The POI System responds to a diagnosis request. |
| SMIQ | AdministrativeSessionManagementLoginRequest | The Sale System requests a login to the POI System. |
| SMIP | AdministrativeSessionManagementLoginResponse | The POI System responds to a login request. |
| SMOQ | AdministrativeSessionManagementLogoutRequest | The Sale System requests a logout to the POI System. |
| SMOP | AdministrativeSessionManagementLogoutResponse | The POI System responds to a logout request. |
| DDYQ | DeviceDisplayRequest | One System requests the other to display a message for cashier or customer. |
| DDYP | DeviceDisplayResponse | One system responds to the other system for a display request. |
| DCIQ | DeviceInitialisationCardReaderRequest | Service to send parameters to use when card reader initializes a new communication with the card. |
| DCIP | DeviceInitialisationCardReaderResponse | The POI system responds to the Sale System for a card reader initialisation. |
| DINO | DeviceInputNotification | One system sends a notification to the POI System to update a input request. |
| DINQ | DeviceInputRequest | One system requests to the other System to get data input. |
| DINP | DeviceInputResponse | One system responds to the other System for a input request. |
| DSOQ | DevicePlaySoundRequest | One system requests to the Other System to play a sound. |
| DSOP | DevicePlaySoundResponse | One system responds to the other System for a play sound request. |
| DCPQ | DevicePowerOffCardReaderRequest | The Sale system requests to the POI System to power off the card reader. |
| DCPP | DevicePowerOffCardRequestResponse | The POI system responds to the Sale System for a card reader power off. |
| DPRQ | DevicePrintRequest | One system requests to the other System to print data. |
| DPRP | DevicePrintResponse | One system responds to the other System for a print request. |
| DSIQ | DeviceSecureInputRequest | One system requests to the Other System to securely get data input (e.g. for PIN). |
| DSIP | DeviceSecureInputResponse | One system responds to the other System for secure data input. |
| DCAP | DeviceSendApplicationProtocolDataUnitCardReaderResponse | The POI system responds to the Sale System for a card reader Application Protocol Data Unit sending. |

| CodeName | Name | Definition |
|-----------------|-----------------------------------|---|
| DCOQ | DeviceTransmissionMessageRequest | The Sale system requests to the POI System to transmit a message (for instance to a mobile server). |
| DCOP | DeviceTransmissionMessageResponse | The POI system responds to the Sale System after a message transmission. |
| FSIQ | FinancialBalanceInquiryRequest | The Sale System requests to the POI System to perform balance inquiry on the main account. |
| FSIP | FinancialBalanceInquiryResponse | The POI System sends a response to a Balance Inquiry request. |
| FSBQ | FinancialBatchRequest | The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery). |
| FSBP | FinancialBatchResponse | The POI System sends a response to a batch processing request. |
| FSAQ | FinancialCardAcquisitionRequest | The Sale System requests to the POI System to handle a card data acquisition on the card reader. |
| FSAP | FinancialCardAcquisitionResponse | The POI System sends a response to a card data acquisition request. |
| FSEQ | FinancialEnableServiceRequest | The Sale System requests to the POI System to enable a service on its side. |
| FSEP | FinancialEnableServiceResponse | The POI System sends a response after enabling or not some service. |
| FSLQ | FinancialLoyaltyRequest | The Sale System requests to the POI System a loyalty service like loading or redeem. |
| FSLP | FinancialLoyaltyResponse | The POI System sends a response to a loyalty processing request. |
| FSPQ | FinancialPaymentRequest | The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...). |
| FSPP | FinancialPaymentResponse | The POI System sends a response to a payment request (Purchase/refund/ PWCB/MOTO Payment/...). |
| FSCQ | FinancialReconciliationRequest | The Sale System request to the POI System different kinds of transaction reconciliation. |
| FSCP | FinancialReconciliationResponse | The POI System sends a response to a reconciliation request. |
| FSRQ | FinancialReversalRequest | The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service. |
| FSRP | FinancialReversalResponse | The POI System sends a response to a reversal request. |
| FSVQ | FinancialStoredValueRequest | The Sale System requests to the POI System to manage a stored value card |

| CodeName | Name | Definition |
|----------|------------------------------|--|
| | | or account (eg. Load, Payment, Reimbursement). |
| FSVP | FinancialStoredValueResponse | The POI System sends a response to a stored value card or account request. |
| SSAB | SystemAbort | Abort a former request or message by the sale system. |
| SSEN | SystemEventNotification | Send an Event notification to the other party. |
| SSRR | SystemMessageRejection | Send a rejection for a previous message. |
| SSSQ | SystemMessageStatusRequest | The Sale System requests to the POI System the status of a previous transaction. |
| SSSP | SystemMessageStatusResponse | The POI System responds to a message status request. |

13.4.2.3.1.3.2 ComponentIdentification <CmpntId>

Presence: [0..1]

Definition: Identification of the Point Of Interaction.

ComponentIdentification <CmpntId> contains the following elements (see "PointOfInteractionComponent15" on page 867 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|-----------|-------------|------|
| | Type <Tp> | [1..1] | CodeSet | | 869 |
| | SubTypeInformation <SubTpInf> | [0..1] | Text | | 870 |
| | Identification </d> | [1..1] | | | 871 |
| | ItemNumber <ItmNb> | [0..1] | Text | | 871 |
| | ProviderIdentification <PrvdrId> | [0..1] | Text | | 871 |
| | Identification </d> | [0..1] | Text | | 871 |
| | SerialNumber <SrlNb> | [0..1] | Text | | 871 |
| | Status <Sts> | [0..1] | | | 871 |
| | VersionNumber <VrsnNb> | [0..1] | Text | | 872 |
| | Status <Sts> | [0..1] | CodeSet | | 872 |
| | ExpiryDate <XpryDt> | [0..1] | Date | | 872 |
| | StandardCompliance <StdCmplc> | [0..*] | | | 872 |
| | Identification </d> | [1..1] | Text | | 872 |
| | Version <Vrsn> | [1..1] | Text | | 873 |
| | Issuer <lssr> | [1..1] | Text | | 873 |
| | Characteristics <Chrtcs> | [0..1] | | | 873 |
| | Memory <Mmry> | [0..*] | | | 874 |
| | Identification </d> | [1..1] | Text | | 875 |
| | TotalSize <TtlSz> | [1..1] | Quantity | | 875 |
| | FreeSize <FreeSz> | [1..1] | Quantity | | 875 |
| | Unit <Unit> | [1..1] | CodeSet | | 875 |
| | Communication <Com> | [0..*] | | | 875 |
| | CommunicationType <ComTp> | [1..1] | CodeSet | | 876 |
| | RemoteParty <RmtPty> | [1..*] | CodeSet | | 877 |
| | Active <Actv> | [1..1] | Indicator | | 877 |
| | Parameters <Params> | [0..1] | ± | | 877 |
| | PhysicalInterface <PhysIntrfc> | [0..1] | | | 878 |
| | InterfaceName <IntrfcNm> | [1..1] | Text | | 878 |
| | InterfaceType <IntrfcTp> | [0..1] | CodeSet | | 878 |
| | UserName <UsrNm> | [0..1] | Text | | 879 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | AccessCode <AccsCd> | [0..1] | Binary | | 879 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 879 |
| | AdditionalParameters <AddtlParams> | [0..1] | Binary | | 879 |
| | SecurityAccessModules <SctyAccsMdls> | [0..1] | Quantity | | 880 |
| | SubscriberIdentityModules <SbcbrldntyMdls> | [0..1] | Quantity | | 880 |
| | SecurityElement <SctyElmt> | [0..*] | ± | | 880 |
| | Assessment <Assmnt> | [0..*] | | | 881 |
| | Type <Tp> | [1..1] | CodeSet | | 882 |
| | Assigner <Assgnr> | [1..*] | Text | | 882 |
| | DeliveryDate <DlvryDt> | [0..1] | DateTime | | 882 |
| | ExpirationDate <XprtnDt> | [0..1] | DateTime | | 882 |
| | Number <Nb> | [1..1] | Text | | 882 |
| | Package <Packg> | [0..*] | | | 883 |
| | Packageldentification <PackglId> | [0..1] | ± | | 883 |
| | PackageLength <PackglLngh> | [0..1] | Quantity | | 883 |
| | OffsetStart <OffsetStart> | [0..1] | Quantity | | 883 |
| | OffsetEnd <OffsetEnd> | [0..1] | Quantity | | 884 |
| | PackageBlock <PackgBlck> | [0..*] | | | 884 |
| | Identification </d> | [1..1] | Text | | 884 |
| | Value <Val> | [0..1] | Binary | | 884 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 884 |
| | Type <Tp> | [0..1] | Text | | 885 |

13.4.2.3.1.3.3 SaleIdentification <SaleId>

Presence: [0..1]

Definition: Identification of the Sale System.

Datatype: ["Max35Text" on page 1088](#)

13.4.2.3.1.4 AdditionalEventInformation <AddtlEvtInf>

Presence: [0..1]

Definition: Additional Information according to the event type.

Datatype: ["Max1025Text" on page 1085](#)

13.4.2.3.2 MaintenanceRequiredFlag <MntncReqrdfIg>

Presence: [0..1]

Definition: Indicates if the occurred event requires maintenance call or action.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

13.4.2.3.3 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language of the Customer.

Impacted by: [C6 "ValidationByTable"](#)

Datatype: ["LanguageCode" on page 1048](#)

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

13.4.2.3.4 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: To display an event message.

DisplayOutput <DispOutpt> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrccd> | [0..1] | | | 865 |
| | BarcodeType <BrccdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrccdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

13.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: C5 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

13.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

14 casp.013.001.02 SaleToPOIMessageRejectionV02

14.1 MessageDefinition Functionality

The SaleToPOIMessageRejection message is sent by one of the parties when it detects a technical or functional error in a previous received message.

Outline

The SaleToPOIMessageRejectionV02 MessageDefinition is composed of 2 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. Reject

Information related to the reject.

14.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | <i>Message root <Document> <SaleToPOIMsgRjctn></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 531 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 531 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 532 | |
| | Exchangelidentification <XchgId> | [1..1] | Text | 532 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 532 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 532 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 533 | |
| | Traceability <Tracblt> | [0..*] | ± | 534 | |
| | Reject <Rjct> | [1..1] | | 534 | |
| | RejectReason <RjctRsn> | [1..1] | CodeSet | 535 | |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | 535 | |
| | MessageInError <MsgInErr> | [0..1] | Binary | 535 | |

14.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

14.3.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 531 |
| | ProtocolVersion <PrtclVrsn> | [1..1] | Text | | 532 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 532 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 532 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 532 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 533 |
| | Traceability <Tracblt> | [0..*] | ± | | 534 |

14.3.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "RetailerMessage1Code" on page 1062

| CodeName | Name | Definition |
|----------|-----------------------|---|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

14.3.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

14.3.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: ["Max35Text" on page 1088](#)

14.3.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: ["ISODateTime" on page 1081](#)

14.3.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

14.3.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

14.3.1.7 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "[Traceability8](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

14.3.2 Reject <Rjct>

Presence: [1..1]

Definition: Information related to the reject.

Reject <Rjct> contains the following **AcceptorRejection2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | RejectReason <RjctRsn> | [1..1] | CodeSet | | 535 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 535 |
| | MessageInError <MsgInErr> | [0..1] | Binary | | 535 |

14.3.2.1 RejectReason <RjctRsn>

Presence: [1..1]

Definition: Reject reason of the request or the advice.

Datatype: "RejectReason1Code" on page 1060

| CodeName | Name | Definition |
|----------|------------------|--|
| UNPR | UnableToProcess | Not possible to process the message, for instance the security module is unavailable, the hardware is unavailable, or there is a problem of resource. |
| IMSG | InvalidMessage | Invalid envelope of the message. |
| PARS | ParsingError | Invalid message: At least one of the data element or data structure is not present, the format, or the content of one data element or one data structure is not correct. |
| SECU | Security | Security error (for example an invalid key or an incorrect MAC value). |
| INTP | InitiatingParty | Invalid identification data for the sender. |
| RCPP | RecipientParty | Invalid identification data for the receiver. |
| DPMG | DuplicateMessage | Duplicate message, the identification of the exchange is the same than a previous message. |
| VERS | ProtocolVersion | Version of the protocol couldn't be supported by the recipient. |
| MSGT | MessageType | Type of message the recipient receives is unknown or unsupported. |

14.3.2.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information related to the reject of the exchange.

Datatype: "Max500Text" on page 1089

14.3.2.3 MessageInError <MsgInErr>

Presence: [0..1]

Definition: Original request that caused the recipient party to reject it.

Datatype: "Max100KBinary" on page 1014

15 casp.014.001.06

SaleToPOIMessageStatusRequestV06

15.1 MessageDefinition Functionality

The SaleToPOIMessageStatusRequest message is sent by a sale system when the sale system wants to know the status of previous message that has not be answered.

Outline

The SaleToPOIMessageStatusRequestV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. StatusRequest

Information related to a status request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

15.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Message root <Document> <SaleToPOIMsgStsReq> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 538 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 538 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 539 | |
| | Exchangelocation <XchgId> | [1..1] | Text | 539 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 540 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 540 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 540 | |
| | Traceability <Tracblt> | [0..*] | ± | 541 | |
| | StatusRequest <StsReq> | [1..1] | | 541 | |
| | Environment <Envtr> | [1..1] | ± | 542 | |
| | Context <Cntxt> | [1..1] | ± | 548 | |
| | MessageStatusrequestData <MsgStsReqData> | [1..1] | | 551 | |
| | Exchangelocation <XchgId> | [1..1] | Text | 551 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 551 | |
| | ReceiptReprintFlag <RctRprntFlg> | [0..1] | Indicator | 552 | |
| | DocumentQualifier <DocQlfr> | [0..2] | CodeSet | 552 | |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 553 |
| | SecurityTrailer <ScyTrlr> | [0..1] | ± | | 553 |

15.3 Constraints

C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

C5 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C6 ValidationByTable

Must be a valid terrestrial language.

15.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

15.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following Header41 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 538 |
| | ProtocolVersion <Prtcol/Vrsn> | [1..1] | Text | | 539 |
| | Exchangeldentification <XchgId> | [1..1] | Text | | 539 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 540 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 540 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 540 |
| | Traceability <Tracblt> | [0..*] | ± | | 541 |

15.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "RetailerMessage1Code" on page 1062

| CodeName | Name | Definition |
|----------|--------------|--|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or |

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| | | software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

15.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

15.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: ["Max35Text" on page 1088](#)

15.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: "ISODateTime" on page 1081

15.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer <Issr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

15.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

15.4.1.7 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability8" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

15.4.2 StatusRequest <StsReq>

Presence: [1..1]

Definition: Information related to a status request.

StatusRequest <StsReq> contains the following **MessageStatusRequest7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Environment <Envt> | [1..1] | ± | | 542 |
| | Context <Cntxt> | [1..1] | ± | | 548 |
| | MessageStatusRequestData <MsgStsReqData> | [1..1] | | | 551 |
| | Exchangeldentification <XchgId> | [1..1] | Text | | 551 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 551 |
| | ReceiptReprintFlag <RctRprntFlg> | [0..1] | Indicator | | 552 |
| | DocumentQualifier <DocQlfr> | [0..2] | CodeSet | | 552 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 553 |

15.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LtyAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpggAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmptn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeeldNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification </id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMS/SDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

15.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvnt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtedOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

15.4.2.3 MessageStatusRequestData <MsgStsReqData>

Presence: [1..1]

Definition: Identification of the previous exchange.

MessageStatusRequestData <MsgStsReqData> contains the following **MessageStatusRequestData2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Exchangeldentification <XchgId> | [1..1] | Text | | 551 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 551 |
| | ReceiptReprintFlag <RctRprntFlg> | [0..1] | Indicator | | 552 |
| | DocumentQualifier <DocQlfr> | [0..2] | CodeSet | | 552 |

15.4.2.3.1 Exchangeldentification <XchgId>

Presence: [1..1]

Definition: Transaction identification.

Datatype: "Max35Text" on page 1088

15.4.2.3.2 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Initiating Party information.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

15.4.2.3.3 ReceiptReprintFlag <RctRprntFlg>

Presence: [0..1]

Definition: Request to reprint the POI receipt(s).

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

15.4.2.3.4 DocumentQualifier <DocQlfr>

Presence: [0..2]

Definition: Customer or Cashier Receipt.

Datatype: "[DocumentType7Code](#)" on page 1042

| CodeName | Name | Definition |
|----------|-----------------|--|
| JNRL | Journal | When the POI or the Sale System wants to store a message on the journal printer or electronic journal of the Sale Terminal (it is sometimes a Sale Logging/Journal Printer). |
| CRCP | CustomerReceipt | When the Sale System requires the POI system to print the Customer receipt. |

| CodeName | Name | Definition |
|----------|---------------------------|---|
| HRCP | CashierReceipt | When the Sale system print the Cashier copy of the Payment receipt. |
| SRCP | SaleReceipt | When the Sale System requires the POI system to print the Sale receipt. |
| RPIN | RelatedPaymentInstruction | Document is a linked payment instruction to which the current payment instruction is related, for example, in a cover scenario. |
| VCHR | Voucher | Document is an electronic payment document. |

15.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: [C5 "SupplementaryDataRule"](#)

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

15.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

16 casp.015.001.06

SaleToPOIMessageStatusResponseV06

16.1 MessageDefinition Functionality

The SaleToPOIMessageStatusResponse message is sent by a POI System to respond to the sale system at a previous message status request.

Outline

The SaleToPOIMessageStatusResponseV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. StatusResponse

Information related to the response of a status request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

16.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | <i>Message root <Document> <SaleToPOIMsgStsRspn></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 559 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 559 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 560 | |
| | Exchangelocation <XchgId> | [1..1] | Text | 560 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 561 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 561 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 561 | |
| | Traceability <Tracblt> | [0..*] | ± | 562 | |
| | StatusResponse <StsRspn> | [1..1] | | 562 | |
| | Environment <Envtr> | [1..1] | ± | 566 | |
| | Context <Cntxt> | [1..1] | ± | 572 | |
| | MessageStatusresponseData <MsgStsRspnData> | [1..1] | | 575 | |
| | Exchangelocation <XchgId> | [1..1] | Text | 579 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 579 | |
| | TransactionResponse <TxRspn> | [1..1] | ± | 579 | |
| | RepeatedLoyaltyResponse <RpeatdLltyRspn> | [0..1] | | 580 | |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | 581 | |
| | POITransactionIdentification <POITxId> | [1..1] | ± | 581 | |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | 581 | |
| | Result <RsIt> | [0..*] | | 581 | |
| | Account <Acct> | [1..1] | ± | 582 | |
| | Amount <Amt> | [0..1] | | 583 | |
| | Unit <Unit> | [0..1] | CodeSet | 583 | |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 583 |
| | Amount <Amt> | [1..1] | Amount | | 583 |
| | ServerData <SrvData> | [0..1] | | 583 | |
| | LoyaltyServerIdentification <LltySvrld> | [0..1] | Text | | 584 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 584 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 584 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 584 |
| | Rebates <Rbts> | [0..1] | | | 584 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 585 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 585 |
| | SaleItem <Saleitm> | [1..1] | ± | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 586 |
| | RepeatedPaymentResponse <RpeatdPmtRspn> | [0..1] | | | 586 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 587 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 588 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 588 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 588 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 588 |
| | RetailerPaymentResult <RtrlrPmtRsIt> | [1..1] | ± | | 588 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 591 |
| | LoyaltyResult <LltyRsIt> | [0..*] | | | 591 |
| | Account <Acct> | [1..1] | ± | | 592 |
| | Amount <Amt> | [0..1] | | | 593 |
| | Unit <Unit> | [0..1] | CodeSet | | 593 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 593 |
| | Amount <Amt> | [1..1] | Amount | | 593 |
| | ServerData <SvrData> | [0..1] | | | 593 |
| | LoyaltyServerIdentification <LltySvrId> | [0..1] | Text | | 594 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 594 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 594 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 594 |
| | Rebates <Rbts> | [0..1] | | | 594 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 595 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 595 |
| | SaleItem <Saleitm> | [1..1] | ± | | 595 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | RebateLabel <RbtLabl> | [0..1] | Text | | 596 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 596 |
| | RepeatedReversalResponse <RpeatdRvslRspn> | [0..1] | | | 597 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 597 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 598 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 598 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 598 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 598 |
| | ReversalTransactionResult <RvslTxRslt> | [1..1] | | | 598 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 599 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 599 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 604 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 604 |
| | Receipt <Rct> | [0..*] | ± | | 604 |
| | RepeatedStoredValueResponse <RpeatdStordValRspn> | [0..1] | | | 605 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 606 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 607 |
| | Result <Rslt> | [0..*] | | | 607 |
| | Provider <Prvdr> | [0..1] | Text | | 608 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 608 |
| | AccountIdentification <AcctId> | [0..1] | | | 609 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 609 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 610 |
| | Identification <Id> | [0..1] | Text | | 610 |
| | Brand <Brnd> | [0..1] | Text | | 611 |
| | Provider <Prvdr> | [0..1] | Text | | 611 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 611 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 611 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 611 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 612 |
| | Balance <Bal> | [0..1] | Amount | | 612 |

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | OriginalPOITransaction <OrgnlPOITx> | [0..1] | ± | | 612 |
| | ProductCode <PdctCd> | [0..1] | Text | | 617 |
| | EANUPC <EANUPC> | [0..1] | Text | | 617 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 617 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 617 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 618 |
| | Receipt <Rct> | [0..*] | ± | | 618 |
| | RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn> | [0..1] | | | 618 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 618 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 619 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 619 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 619 |
| | LoyaltyAccount <LltyAcct> | [0..*] | ± | | 619 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 620 |
| | RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RpeatdSndApplPrctcolDataUnitCardRdrRspn> | [0..1] | | | 620 |
| | Data <Data> | [0..1] | Binary | | 621 |
| | CardStatus <CardSts> | [1..1] | Binary | | 621 |
| | Response <Rspn> | [1..1] | ± | | 621 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 621 |
| | SecurityTrailer <ScyTrlr> | [0..1] | ± | | 622 |

16.3 Constraints

C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C4 CurrencyAmount

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

C5 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

C6 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C7 ValidationByTable

Must be a valid terrestrial language.

16.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

16.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 559 |
| | ProtocolVersion <PrtclVrsn> | [1..1] | Text | | 560 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 560 |
| | CreationDateTime <CreDtTm> | [1..1] | Date/Time | | 561 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 561 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 561 |
| | Traceability <Tracblt> | [0..*] | ± | | 562 |

16.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "RetailerMessage1Code" on page 1062

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

16.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: ["Max6Text" on page 1089](#)

16.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

16.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: "ISODateTime" on page 1081

16.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer <lssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

16.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

16.4.1.7 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability8" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

16.4.2 StatusResponse <StsRspn>

Presence: [1..1]

Definition: Information related to the response of a status request.

StatusResponse <StsRspn> contains the following **MessageStatusResponse8** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Environment <Envrt> | [1..1] | ± | | 566 |
| | Context <Cntxt> | [1..1] | ± | | 572 |
| | MessageStatusResponseData <MsgStsRspnData> | [1..1] | | | 575 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 579 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 579 |
| | TransactionResponse <TxRspn> | [1..1] | ± | | 579 |
| | RepeatedLoyaltyResponse <RpeatdLltyRspn> | [0..1] | | | 580 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 581 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 581 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 581 |
| | Result <Rslt> | [0..*] | | | 581 |
| | Account <Acct> | [1..1] | ± | | 582 |
| | Amount <Amt> | [0..1] | | | 583 |
| | Unit <Unit> | [0..1] | CodeSet | | 583 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 583 |
| | Amount <Amt> | [1..1] | Amount | | 583 |
| | ServerData <SvrData> | [0..1] | | | 583 |
| | LoyaltyServerIdentification <LltySvrId> | [0..1] | Text | | 584 |
| | ApprovalCode <ApprvCd> | [0..1] | Text | | 584 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 584 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 584 |
| | Rebates <Rbts> | [0..1] | | | 584 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 585 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 585 |
| | SaleItem <SaleItm> | [1..1] | ± | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 586 |
| | RepeatedPaymentResponse <RpeatdPmtRspn> | [0..1] | | | 586 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 587 |
| | SaleReferencelIdentification <SaleRefId> | [0..1] | Text | | 588 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 588 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 588 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 588 |
| | RetailerPaymentResult <RtlrPmtRslt> | [1..1] | ± | | 588 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 591 |
| | LoyaltyResult <LityRslt> | [0..*] | | | 591 |
| | Account <Acct> | [1..1] | ± | | 592 |
| | Amount <Amt> | [0..1] | | | 593 |
| | Unit <Unit> | [0..1] | CodeSet | | 593 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 593 |
| | Amount <Amt> | [1..1] | Amount | | 593 |
| | ServerData <SvrData> | [0..1] | | | 593 |
| | LoyaltyServerIdentification <LitySvrld> | [0..1] | Text | | 594 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 594 |
| | LoyaltyTransactionIdentification <LityTxId> | [0..1] | ± | | 594 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 594 |
| | Rebates <Rbts> | [0..1] | | | 594 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 595 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 595 |
| | SaleItem <SaleItm> | [1..1] | ± | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 596 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 596 |
| | RepeatedReversalResponse <RpeatdRvsRspsn> | [0..1] | | | 597 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 597 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 598 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 598 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 598 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 598 |
| | ReversalTransactionResult <RvsTxRslt> | [1..1] | | | 598 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 599 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 599 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 604 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 604 |
| | Receipt <Rct> | [0..*] | ± | | 604 |
| | RepeatedStoredValueResponse <RpeatdStordValRspn> | [0..1] | | | 605 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 606 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 607 |
| | Result <Rslt> | [0..*] | | | 607 |
| | Provider <Prvdr> | [0..1] | Text | | 608 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 608 |
| | AccountIdentification <AcctId> | [0..1] | | | 609 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 609 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 610 |
| | Identification <Id> | [0..1] | Text | | 610 |
| | Brand <Brnd> | [0..1] | Text | | 611 |
| | Provider <Prvdr> | [0..1] | Text | | 611 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 611 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 611 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 611 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 612 |
| | Balance <Bal> | [0..1] | Amount | | 612 |
| | OriginalPOITransaction <OrgnlPOITx> | [0..1] | ± | | 612 |
| | ProductCode <PdctCd> | [0..1] | Text | | 617 |
| | EANUPC <EANUPC> | [0..1] | Text | | 617 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 617 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 617 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 618 |
| | Receipt <Rct> | [0..*] | ± | | 618 |
| | RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn> | [0..1] | | | 618 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 618 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 619 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 619 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 619 |
| | LoyaltyAccount <LtyAcct> | [0..*] | ± | | 619 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 620 |
| | RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RpeatdSndApplPrtcolDataUnitCardRdrRspn> | [0..1] | | | 620 |
| | Data <Data> | [0..1] | Binary | | 621 |
| | CardStatus <CardSts> | [1..1] | Binary | | 621 |
| | Response <Rspn> | [1..1] | ± | | 621 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C6 | 621 |

16.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LtyAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpggAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmptn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeeldNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMS/SDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

16.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnDncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnDntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnDntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtedOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

16.4.2.3 MessageStatusResponseData <MsgStsRspnData>

Presence: [1..1]

Definition: Content of the Message status Response.

MessageStatusResponseData <MsgStsRspnData> contains the following
MessageStatusResponseData8 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 579 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 579 |
| | TransactionResponse <TxRspn> | [1..1] | ± | | 579 |
| | RepeatedLoyaltyResponse <RpeatdLltyRspn> | [0..1] | | | 580 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 581 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 581 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 581 |
| | Result <Rslt> | [0..*] | | | 581 |
| | Account <Acct> | [1..1] | ± | | 582 |
| | Amount <Amt> | [0..1] | | | 583 |
| | Unit <Unit> | [0..1] | CodeSet | | 583 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 583 |
| | Amount <Amt> | [1..1] | Amount | | 583 |
| | ServerData <SvrData> | [0..1] | | | 583 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 584 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 584 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 584 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 584 |
| | Rebates <Rbts> | [0..1] | | | 584 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 585 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 585 |
| | SaleItem <Saleitm> | [1..1] | ± | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 586 |
| | RepeatedPaymentResponse <RpeatdPmtRspn> | [0..1] | | | 586 |
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 587 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 588 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 588 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 588 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 588 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | RetailerPaymentResult <RtlrPmtRslt> | [1..1] | ± | | 588 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 591 |
| | LoyaltyResult <LltyRslt> | [0..*] | | | 591 |
| | Account <Acct> | [1..1] | ± | | 592 |
| | Amount <Amt> | [0..1] | | | 593 |
| | Unit <Unit> | [0..1] | CodeSet | | 593 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 593 |
| | Amount <Amt> | [1..1] | Amount | | 593 |
| | ServerData <SvrData> | [0..1] | | | 593 |
| | LoyaltyServerIdentification <LltySvrld> | [0..1] | Text | | 594 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 594 |
| | LoyaltyTransactionIdentification <LltyTxld> | [0..1] | ± | | 594 |
| | HostReconciliationIdentification <HstRcnclnld> | [0..1] | Text | | 594 |
| | Rebates <Rbts> | [0..1] | | | 594 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 595 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 595 |
| | SaleItem <Saleitm> | [1..1] | ± | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 596 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 596 |
| | RepeatedReversalResponse <RpeatdRvs/Rspn> | [0..1] | | | 597 |
| | SaleTransactionIdentification <SaleTxld> | [1..1] | ± | | 597 |
| | SaleReferenceIdentification <SaleRefld> | [0..1] | Text | | 598 |
| | POITransactionIdentification <POITxld> | [1..1] | ± | | 598 |
| | POIReconciliationIdentification <POIRcnclnld> | [0..1] | Text | | 598 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 598 |
| | ReversalTransactionResult <Rvs/TxRslt> | [1..1] | | | 598 |
| | POIReconciliationIdentification <POIRcnclnld> | [0..1] | Text | | 599 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 599 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 604 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 604 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Receipt <Rct> | [0..*] | ± | | 604 |
| | RepeatedStoredValueResponse <RpeatdStordValRspn> | [0..1] | | | 605 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 606 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 607 |
| | Result <RsIt> | [0..*] | | | 607 |
| | Provider <Prvdr> | [0..1] | Text | | 608 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 608 |
| | AccountIdentification <AcctId> | [0..1] | | | 609 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 609 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 610 |
| | Identification <Id> | [0..1] | Text | | 610 |
| | Brand <Brnd> | [0..1] | Text | | 611 |
| | Provider <Prvdr> | [0..1] | Text | | 611 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 611 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 611 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 611 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 612 |
| | Balance <Bal> | [0..1] | Amount | | 612 |
| | OriginalPOITransaction <OrgnlPOITx> | [0..1] | ± | | 612 |
| | ProductCode <PdctCd> | [0..1] | Text | | 617 |
| | EANUPC <EANUPC> | [0..1] | Text | | 617 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 617 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 617 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 618 |
| | Receipt <Rct> | [0..*] | ± | | 618 |
| | RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn> | [0..1] | | | 618 |
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 618 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 619 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 619 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 619 |
| | LoyaltyAccount <LltyAcct> | [0..*] | ± | | 619 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|--------|-------------|------|
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 620 |
| | RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RpeatdSndApplPrtcolDataUnitCardRdrRspn> | [0..1] | | | 620 |
| | Data <Data> | [0..1] | Binary | | 621 |
| | CardStatus <CardSts> | [1..1] | Binary | | 621 |

16.4.2.3.1 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Identification of the requested previous message.

Datatype: "Max35Text" on page 1088

16.4.2.3.2 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Party that has initiated the previous message.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer <lssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNRthwrd> | [1..1] | Text | | 759 |

16.4.2.3.3 TransactionResponse <TxRspn>

Presence: [1..1]

Definition: Specific response of the Repeated Message sent back by the POI System.

TransactionResponse <TxRspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 911 |

16.4.2.3.4 RepeatedLoyaltyResponse <RpeatdLltyRspn>

Presence: [0..1]

Definition: Content of the requested Loyalty Message Response.

RepeatedLoyaltyResponse <RpeatdLltyRspn> contains the following **LoyaltyResponse3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 581 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 581 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 581 |
| | Result <Rslt> | [0..*] | | | 581 |
| | Account <Acct> | [1..1] | ± | | 582 |
| | Amount <Amt> | [0..1] | | | 583 |
| | Unit <Unit> | [0..1] | CodeSet | | 583 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 583 |
| | Amount <Amt> | [1..1] | Amount | | 583 |
| | ServerData <SvrData> | [0..1] | | | 583 |
| | LoyaltyServerIdentification <LLtysvrlD> | [0..1] | Text | | 584 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 584 |
| | LoyaltyTransactionIdentification <LLtysxId> | [0..1] | ± | | 584 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 584 |
| | Rebates <Rbts> | [0..1] | | | 584 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 585 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 585 |
| | SaleItem <SaleItm> | [1..1] | ± | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 586 |

16.4.2.3.4.1 SaleTransactionIdentification <SaleTxId>*Presence:* [1..1]*Definition:* Sale System identification of the transaction in an unambiguous way.**SaleTransactionIdentification <SaleTxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page [931](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|----------|-------------|---------------------|
| | TransactionDateTime < <i>TxDtTm</i> > | [1..1] | DateTime | | 931 |
| | TransactionReference < <i>TxRef</i> > | [1..1] | Text | | 931 |

16.4.2.3.4.2 POITransactionIdentification <POITxId>*Presence:* [1..1]*Definition:* POI identification of the transaction in an unambiguous way.**POITransactionIdentification <POITxId>** contains the following elements (see "[TransactionIdentifier1](#)" on page [931](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|----------|-------------|---------------------|
| | TransactionDateTime < <i>TxDtTm</i> > | [1..1] | DateTime | | 931 |
| | TransactionReference < <i>TxRef</i> > | [1..1] | Text | | 931 |

16.4.2.3.4.3 POIReconciliationIdentification <POIRcncltnId>*Presence:* [0..1]*Definition:* Unique identification of the reconciliation period between the acceptor and the acquirer.*Datatype:* "[Max35Text](#)" on page [1088](#)**16.4.2.3.4.4 Result <Rslt>***Presence:* [0..*]*Definition:* Data related to the result of a processed loyalty transaction.

Result <RsIt> contains the following **LoyaltyResult3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 582 |
| | Amount <Amt> | [0..1] | | | 583 |
| | Unit <Unit> | [0..1] | CodeSet | | 583 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 583 |
| | Amount <Amt> | [1..1] | Amount | | 583 |
| | ServerData <SrvData> | [0..1] | | | 583 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 584 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 584 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 584 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 584 |
| | Rebates <Rbts> | [0..1] | | | 584 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 585 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 585 |
| | SaleItem <SaleItm> | [1..1] | ± | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 586 |

16.4.2.3.4.4.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | LoyaltyIdentification <LltyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

16.4.2.3.4.4.2 Amount <Amt>*Presence:* [0..1]*Definition:* Amount.**Amount <Amt>** contains the following **LoyaltyAmount1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 583 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 583 |
| | Amount <Amt> | [1..1] | Amount | | 583 |

16.4.2.3.4.4.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* ["AmountUnit1Code" on page 1026](#)

| CodeName | Name | Definition |
|----------|----------|--|
| MONE | Monetary | The amount is expressed in a monetary value in a currency. |
| POIN | Point | The amount is expressed in point. |

16.4.2.3.4.4.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* [C1 "ActiveCurrency"](#)*Datatype:* ["ActiveCurrencyCode" on page 1017](#)**Constraints****• ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

16.4.2.3.4.4.2.3 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* ["ImpliedCurrencyAndAmount" on page 1013](#)**16.4.2.3.4.4.3 ServerData <SrvData>***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 <LLtysvrlD> | [0..1] | Text | | 584 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 584 |
| | LoyaltyTransactionIdentification <LLityTxId> | [0..1] | ± | | 584 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 584 |

16.4.2.3.4.4.3.1 LoyaltyServerIdentification <LLtysvrlD>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: ["Max35Text" on page 1088](#)

16.4.2.3.4.4.3.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: ["Min6Max8Text" on page 1091](#)

16.4.2.3.4.4.3.3 LoyaltyTransactionIdentification <LLityTxId>

Presence: [0..1]

Definition: Identification of the Loyalty transaction in an unambiguous way.

LoyaltyTransactionIdentification <LLityTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.4.4.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: ["Max35Text" on page 1088](#)

16.4.2.3.4.4.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 585 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 585 |
| | SaleItem <Saleitm> | [1..1] | ± | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 586 |

16.4.2.3.4.4.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

16.4.2.3.4.4.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: ["Max35Text" on page 1088](#)

16.4.2.3.4.4.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

Definition: Amount of the payment transaction related to the Loyalty.

SaleItemRebate <SaleitmRbt> contains the following **SaleItemRebate1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|------|-------------|------|
| | SaleItem <Saleitm> | [1..1] | ± | | 585 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 586 |

16.4.2.3.4.4.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <SaleItm> contains the following elements (see ["Product6" on page 920](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | ItemIdentification <ItmId> | [0..1] | Text | | 921 |
| | ProductCode <PdctCd> | [1..1] | Text | | 921 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 921 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 921 |
| | ProductQuantity <PdctQty> | [0..1] | Quantity | | 923 |
| | UnitPrice <UnitPric> | [0..1] | Amount | | 923 |
| | UnitPriceSign <UnitPricSgn> | [0..1] | Indicator | | 923 |
| | ProductAmount <PdctAmt> | [1..1] | Amount | | 924 |
| | ProductAmountSign <PdctAmtSgn> | [0..1] | Indicator | | 924 |
| | ValueAddedTax <ValAddedTax> | [0..1] | Amount | | 924 |
| | TaxType <TaxTp> | [0..1] | Text | | 924 |
| | ProductDescription <PdctDesc> | [0..1] | Text | | 924 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 924 |
| | DeliveryService <DlvrySvc> | [0..1] | CodeSet | | 924 |
| | SaleChannel <SaleChnl> | [0..1] | Text | | 925 |
| | AdditionalProductDescription <AddtlPdctDesc> | [0..1] | Text | | 925 |

16.4.2.3.4.4.4.3.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: ["Max35Text" on page 1088](#)

16.4.2.3.5 RepeatedPaymentResponse <RpeatdPmtRspn>

Presence: [0..1]

Definition: Content of the requested Payment Message Response.

RepeatedPaymentResponse <RpeatdPmtRspn> contains the following **PaymentResponse6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 587 |
| | SaleReferencelIdentification <SaleRefId> | [0..1] | Text | | 588 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 588 |
| | POIReconciliationIdentification <POIRcnclnId> | [0..1] | Text | | 588 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 588 |
| | RetailerPaymentResult <RtlrPmtRslt> | [1..1] | ± | | 588 |
| | PaymentReceipt <PmtRct> | [0..*] | ± | | 591 |
| | LoyaltyResult <LltyRslt> | [0..*] | | | 591 |
| | Account <Acct> | [1..1] | ± | | 592 |
| | Amount <Amt> | [0..1] | | | 593 |
| | Unit <Unit> | [0..1] | CodeSet | | 593 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 593 |
| | Amount <Amt> | [1..1] | Amount | | 593 |
| | ServerData <SvrData> | [0..1] | | | 593 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 594 |
| | ApprovalCode <ApprvCd> | [0..1] | Text | | 594 |
| | LoyaltyTransactionIdentification <LltyTxId> | [0..1] | ± | | 594 |
| | HostReconciliationIdentification <HstRcnclnId> | [0..1] | Text | | 594 |
| | Rebates <Rbts> | [0..1] | | | 594 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 595 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 595 |
| | SaleItem <SaleItm> | [1..1] | ± | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 596 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 596 |

16.4.2.3.5.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "TransactionIdentifier1" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.5.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

Definition: Global reference of the sale transaction for the sale system.

Datatype: "Max35Text" on page 1088

16.4.2.3.5.3 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: POI identification of the transaction in an unambiguous way.

POITransactionIdentification <POITxId> contains the following elements (see "TransactionIdentifier1" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.5.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: "Max35Text" on page 1088

16.4.2.3.5.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: "Max140Text" on page 1086

16.4.2.3.5.6 RetailerPaymentResult <RtlrPmtRslt>

Presence: [1..1]

Definition: Data related to the result of a processed payment transaction.

RetailerPaymentResult <RtlrPmtRslt> contains the following elements (see "RetailerPaymentResult6" on page 764 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | TransactionType <TxTp> | [1..1] | CodeSet | | 767 |
| | AdditionalService <AddtlSvc> | [0..*] | CodeSet | | 768 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 769 |
| | RequestedTransaction <ReqdTx> | [0..1] | ± | | 769 |
| | TransactionResponse <TxRspn> | [0..1] | | | 774 |
| | AuthorisationResult <AuthstnRslt> | [1..1] | | | 777 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 777 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 778 |
| | Response <Rspn> | [1..1] | CodeSet | | 778 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 778 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 778 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 778 |
| | CompletionRequired <CmpltnReqrds> | [0..1] | Indicator | | 778 |
| | TMSTrigger <TMSTrggr> | [0..1] | | | 779 |
| | TMSContactLevel <TMSCtctLvl> | [1..1] | CodeSet | | 779 |
| | TMSIdentification <TMSId> | [0..1] | Text | | 779 |
| | TMSContactDateTime <TMSCtctDtTm> | [0..1] | DateTime | | 779 |
| | AllowedProductCode <AllwdPdctCd> | [0..*] | | | 779 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | NotAllowedProductCode <NotAllwdPdctCd> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | AdditionalAvailableProduct <AddtlAvlblPdct> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 781 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 781 |
| | AmountLimit <AmtLmt> | [0..1] | Amount | | 781 |
| | QuantityLimit <QtyLmt> | [0..1] | Quantity | | 781 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 781 |
| | Balance <Bal> | [0..1] | ± | | 783 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | ProtectedBalance <PrtctdBal> | [0..1] | ± | | 783 |
| | Action <Actn> | [0..*] | | | 784 |
| | ActionType <ActnTp> | [1..1] | CodeSet | | 784 |
| | MessageToPresent <MsgToPres> | [0..1] | ± | | 785 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 786 |
| | Retry <Rtry> | [0..1] | ± | | 786 |
| | TimeCondition <TmCond> | [0..1] | ± | | 786 |
| | CurrencyConversionEligibility <CcyConvsElgbty> | [0..1] | | | 787 |
| | CurrencyConversionIdentification <CcyConvslD> | [0..1] | Text | | 789 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 789 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 789 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 789 |
| | Decimal <DcmI> | [1..1] | Quantity | | 789 |
| | Name <Nm> | [0..1] | Text | | 790 |
| | ResultingAmount <RsItgAmt> | [0..1] | Amount | | 790 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 790 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 790 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 790 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 790 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 790 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 790 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 791 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 791 |
| | Decimal <DcmI> | [0..1] | Quantity | | 791 |
| | Name <Nm> | [0..1] | Text | | 791 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 791 |
| | LowerBin <LwrBin> | [1..1] | Text | | 792 |
| | HigherBin <HghrBin> | [1..1] | Text | | 792 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 792 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 792 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 792 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 792 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 793 |
| | Amount <Amt> | [1..1] | Amount | | 793 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 793 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 793 |
| | Rate <Rate> | [1..1] | Rate | | 793 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 793 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 793 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 794 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 795 |
| | ImageFormat <ImgFrmgt> | [1..1] | Text | | 795 |
| | ImageData <ImgData> | [0..1] | Binary | | 795 |
| | ImageReference <ImgRef> | [0..1] | Text | | 796 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 796 |
| | ProtectedCapturedSignature <PrtctdCaptrdSgntr> | [0..1] | ± | | 796 |
| | MerchantOverrideFlag <MrchntOvrrdFlg> | [0..1] | Indicator | | 796 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C6 | 796 |
| | OnlineFlag <OnlnFlg> | [0..1] | Indicator | | 796 |

16.4.2.3.5.7 PaymentReceipt <PmtRct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

PaymentReceipt <PmtRct> contains the following elements (see "[PaymentReceipt6](#)" on page 804 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | DocumentQualifier <DocQflr> | [1..1] | CodeSet | | 804 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 805 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 805 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 805 |

16.4.2.3.5.8 LoyaltyResult <LltyRslt>

Presence: [0..*]

Definition: Data related to the result of a processed loyalty transaction.

LoyaltyResult <LltyRslt> contains the following **LoyaltyResult3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Account <Acct> | [1..1] | ± | | 592 |
| | Amount <Amt> | [0..1] | | | 593 |
| | Unit <Unit> | [0..1] | CodeSet | | 593 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 593 |
| | Amount <Amt> | [1..1] | Amount | | 593 |
| | ServerData <SrvData> | [0..1] | | | 593 |
| | LoyaltyServerIdentification <LltySvrlId> | [0..1] | Text | | 594 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 594 |
| | LoyaltyTransactionIdentification <LltyTxld> | [0..1] | ± | | 594 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 594 |
| | Rebates <Rbts> | [0..1] | | | 594 |
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 595 |
| | SaleItemRebate <SaleItmRbt> | [0..*] | | | 595 |
| | SaleItem <SaleItm> | [1..1] | ± | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 596 |

16.4.2.3.5.8.1 Account <Acct>

Presence: [1..1]

Definition: Account managing the Loyalty.

Account <Acct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | LoyaltyIdentification <LltyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

16.4.2.3.5.8.2 Amount <Amt>*Presence:* [0..1]*Definition:* Amount.**Amount <Amt>** contains the following **LoyaltyAmount1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Unit <Unit> | [0..1] | CodeSet | | 593 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 593 |
| | Amount <Amt> | [1..1] | Amount | | 593 |

16.4.2.3.5.8.2.1 Unit <Unit>*Presence:* [0..1]*Definition:* Unit type for the amount.*Datatype:* ["AmountUnit1Code" on page 1026](#)

| CodeName | Name | Definition |
|----------|----------|--|
| MONE | Monetary | The amount is expressed in a monetary value in a currency. |
| POIN | Point | The amount is expressed in point. |

16.4.2.3.5.8.2.2 Currency <Ccy>*Presence:* [0..1]*Definition:* Currency of the amount is Unit is Monetary.*Impacted by:* [C1 "ActiveCurrency"](#)*Datatype:* ["ActiveCurrencyCode" on page 1017](#)**Constraints****• ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

16.4.2.3.5.8.2.3 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* ["ImpliedCurrencyAndAmount" on page 1013](#)**16.4.2.3.5.8.3 ServerData <SrvData>***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 <LLtysvrlD> | [0..1] | Text | | 594 |
| | ApprovalCode <ApprvlCd> | [0..1] | Text | | 594 |
| | LoyaltyTransactionIdentification <LLityTxId> | [0..1] | ± | | 594 |
| | HostReconciliationIdentification <HstRcncltnId> | [0..1] | Text | | 594 |

16.4.2.3.5.8.3.1 LoyaltyServerIdentification <LLtysvrlD>

Presence: [0..1]

Definition: Identification of the loyalty Server.

Datatype: ["Max35Text" on page 1088](#)

16.4.2.3.5.8.3.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Approval code assigned to a loyalty transaction by the Server.

Datatype: ["Min6Max8Text" on page 1091](#)

16.4.2.3.5.8.3.3 LoyaltyTransactionIdentification <LLityTxId>

Presence: [0..1]

Definition: Identification of the Loyalty transaction in an unambiguous way.

LoyaltyTransactionIdentification <LLityTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.5.8.3.4 HostReconciliationIdentification <HstRcncltnId>

Presence: [0..1]

Definition: Identifier of a reconciliation period with a payment or loyalty host.

Datatype: ["Max35Text" on page 1088](#)

16.4.2.3.5.8.4 Rebates <Rbts>

Presence: [0..1]

Definition: Rebate information.

Rebates <Rbts> contains the following **LoyaltyRebates1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | TotalRebate <TtlRbt> | [0..1] | Amount | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 595 |
| | SaleItemRebate <SaleitmRbt> | [0..*] | | | 595 |
| | SaleItem <Saleitm> | [1..1] | ± | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 596 |

16.4.2.3.5.8.4.1 TotalRebate <TtlRbt>

Presence: [0..1]

Definition: The global awarded amount that is not attached to an item.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

16.4.2.3.5.8.4.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: ["Max35Text" on page 1088](#)

16.4.2.3.5.8.4.3 SaleItemRebate <SaleitmRbt>

Presence: [0..*]

Definition: Amount of the payment transaction related to the Loyalty.

SaleItemRebate <SaleitmRbt> contains the following **SaleItemRebate1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|------|-------------|------|
| | SaleItem <Saleitm> | [1..1] | ± | | 595 |
| | RebateLabel <RbtLabl> | [0..1] | Text | | 596 |

16.4.2.3.5.8.4.3.1 SaleItem <Saleitm>

Presence: [1..1]

Definition: Data of the Sale item.

SaleItem <SaleItm> contains the following elements (see ["Product6" on page 920](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | ItemIdentification <ItmId> | [0..1] | Text | | 921 |
| | ProductCode <PdctCd> | [1..1] | Text | | 921 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 921 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 921 |
| | ProductQuantity <PdctQty> | [0..1] | Quantity | | 923 |
| | UnitPrice <UnitPric> | [0..1] | Amount | | 923 |
| | UnitPriceSign <UnitPricSgn> | [0..1] | Indicator | | 923 |
| | ProductAmount <PdctAmt> | [1..1] | Amount | | 924 |
| | ProductAmountSign <PdctAmtSgn> | [0..1] | Indicator | | 924 |
| | ValueAddedTax <ValAddedTax> | [0..1] | Amount | | 924 |
| | TaxType <TaxTp> | [0..1] | Text | | 924 |
| | ProductDescription <PdctDesc> | [0..1] | Text | | 924 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 924 |
| | DeliveryService <DlvrySvc> | [0..1] | CodeSet | | 924 |
| | SaleChannel <SaleChnl> | [0..1] | Text | | 925 |
| | AdditionalProductDescription <AddtlPdctDesc> | [0..1] | Text | | 925 |

16.4.2.3.5.8.4.3.2 RebateLabel <RbtLabl>

Presence: [0..1]

Definition: Short text to qualify a rebate on an line item.

Datatype: ["Max35Text" on page 1088](#)

16.4.2.3.5.9 CustomerOrder <CstmrOrdr>

Presence: [0..*]

Definition: Customer order attached to a customer, recorded in the POI system.

CustomerOrder <CstmrOrdr> contains the following elements (see "CustomerOrder1" on page 912 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | CustomerOrderIdentification <CstmrOrdrId> | [1..1] | Text | | 912 |
| | SaleReferenceIdentification <SaleRefId> | [1..1] | Text | | 912 |
| | OpenOrderState <OpnOrdrStat> | [0..1] | Indicator | | 913 |
| | StartDate <StartDt> | [1..1] | DateTime | | 913 |
| | EndDate <EndDt> | [0..1] | DateTime | | 913 |
| | Unit <Unit> | [0..1] | CodeSet | | 913 |
| | ForecastedAmount <FrcstdAmt> | [1..1] | Amount | | 913 |
| | CurrentAmount <CurAmt> | [0..1] | Amount | | 913 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 913 |
| | AccessedBy <AccsdBy> | [0..1] | Text | | 914 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 914 |

16.4.2.3.6 RepeatedReversalResponse <RpeatdRvsIRspn>

Presence: [0..1]

Definition: Content of the requested Reversal Message Response.

RepeatedReversalResponse <RpeatdRvsIRspn> contains the following **ReversalResponse8** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [1..1] | ± | | 597 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 598 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 598 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 598 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 598 |
| | ReversalTransactionResult <RvsTxRslt> | [1..1] | | | 598 |
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 599 |
| | OriginalPaymentTransaction <OrgnlPmtTx> | [0..1] | ± | | 599 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 604 |
| | ReversedAmount <RvsdAmt> | [0..1] | Amount | | 604 |
| | Receipt <Rct> | [0..*] | ± | | 604 |

16.4.2.3.6.1 SaleTransactionIdentification <SaleTxId>

Presence: [1..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.6.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

Definition: Global reference of the sale transaction for the sale system.

Datatype: ["Max35Text"](#) on page 1088

16.4.2.3.6.3 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: POI identification of the transaction in an unambiguous way.

POITransactionIdentification <POITxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.6.4 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: Unique identification of the reconciliation period between the acceptor and the acquirer.

Datatype: ["Max35Text"](#) on page 1088

16.4.2.3.6.5 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: ["Max140Text"](#) on page 1086

16.4.2.3.6.6 ReversalTransactionResult <RvsITxRslt>

Presence: [1..1]

Definition: Result of reversal transaction.

ReversalTransactionResult <RvsITxRsIt> contains the following **RetailerReversalResult6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|------|-------------|------|
| | POIReconciliationIdentification <POIRcncltnId> | [0..1] | Text | | 599 |
| | OriginalPaymentTransaction <OrgnPmtTx> | [0..1] | ± | | 599 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 604 |

16.4.2.3.6.6.1 POIReconciliationIdentification <POIRcncltnId>

Presence: [0..1]

Definition: POI reconciliation identification.

Datatype: ["Max35Text" on page 1088](#)

16.4.2.3.6.6.2 OriginalPaymentTransaction <OrgnPmtTx>

Presence: [0..1]

Definition: Original Transaction if any linked to this reversal.

OriginalPaymentTransaction <OrgnPmtTx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | TransactionCapture <TxCaptr> | [0..1] | Indicator | | 713 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 713 |
| | AdditionalService <AddtlSvc> | [0..*] | CodeSet | | 714 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 714 |
| | LastTransactionFlag <LastTxFlg> | [0..1] | Indicator | | 715 |
| | MerchantCategoryCode <MrchntCtgyCd> | [0..1] | Text | | 715 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 715 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 715 |
| | OriginalTransaction <OrgnTx> | [0..1] | | | 716 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 718 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 718 |
| | POIIdentification <POId> | [1..1] | ± | | 718 |
| | CurrencyConversion <CcyConvs> | [0..1] | | | 718 |
| | Result <Rslt> | [1..1] | CodeSet | | 721 |
| | ResultReason <RsltRsn> | [0..1] | Text | | 721 |
| | ConversionDetails <ConvsDtls> | [0..*] | | | 721 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 723 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 723 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <Dcm> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 724 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 724 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 724 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 724 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 724 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 724 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 724 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |
| | Decimal <DcmI> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 725 |
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 726 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 727 |
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 727 |
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | DeclarationDetails <DclrtnDtls> | [0..*] | ± | | 727 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 728 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 728 |
| | IssuerCITIdentification <IssrCITId> | [0..1] | Text | | 728 |
| | MerchantCITIdentification <MrchntCITId> | [0..1] | Text | | 728 |
| | TransactionDetails <TxDtls> | [1..1] | | | 729 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 732 |
| | TotalAmount <TtlAmt> | [1..1] | Amount | | 732 |
| | CumulativeAmount <CmltvAmt> | [0..1] | Amount | | 732 |
| | AmountQualifier <AmtQlfr> | [0..1] | CodeSet | | 732 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 732 |
| | RequestedAmount <ReqdAmt> | [0..1] | Amount | | 733 |
| | AuthorisedAmount <AuthrsdAmt> | [0..1] | Amount | | 733 |
| | InvoiceAmount <InvcAmt> | [0..1] | Amount | | 733 |
| | ValidityDate <VldtyDt> | [0..1] | Date | | 733 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | OnLineReason <OnLineRsn> | [0..*] | CodeSet | | 733 |
| | UnattendedLevelCategory <UattnndLvlCtgy> | [0..1] | Text | | 734 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 734 |
| | CurrencyConversionResult <CcyConvsRslt> | [0..1] | | | 735 |
| | AcceptedByCardholder <AccptdByCrdhldr> | [0..1] | Indicator | | 737 |
| | Conversion <Convs> | [0..1] | | | 737 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 739 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 739 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <Dcm/> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 740 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 740 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 740 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 740 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 740 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 740 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 740 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <Dcm/> | [0..1] | Quantity | | 741 |
| | Name <Nm> | [0..1] | Text | | 741 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 741 |
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 742 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 743 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 743 |
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 743 |
| | Instalment <Instlmt> | [0..*] | ± | | 744 |
| | Recurring <Rcrng> | [0..1] | ± | | 745 |
| | AggregationTransaction <AggtnTx> | [0..1] | ± | | 746 |
| | ProductCodeSetIdentification <PdctCdSetId> | [0..1] | Text | | 746 |
| | SaleItem <Saleitm> | [0..*] | ± | | 746 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 747 |
| | ReSubmissionCounter <ReSubmissnCntr> | [0..1] | Quantity | | 747 |
| | CompletionSequenceNumber <CmpltnSeqNb> | [0..1] | Quantity | | 747 |
| | CompletionSequenceCounter <CmpltnSeqCntr> | [0..1] | Quantity | | 747 |
| | TotalAuthorisedAmount <TtlAuthrsdAmt> | [0..1] | Amount | | 748 |
| | AdditionalInformation <AddtlInf> | [0..*] | | | 748 |
| | Identification <Id> | [1..1] | Text | | 748 |
| | Value <Val> | [0..1] | Binary | | 748 |
| | ProtectedValue <PrctdVal> | [0..1] | ± | | 748 |
| | Type <Tp> | [0..1] | Text | | 749 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 749 |
| | AuthorisationResult <AuthstnRslt> | [0..1] | | | 749 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 749 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 750 |
| | Response <Rspn> | [1..1] | CodeSet | | 750 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 750 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 751 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 751 |
| | MerchantReferenceData <MrchntRefData> | [0..1] | Text | | 751 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 751 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CustomerToken <CstmrTkn> | [0..1] | ± | | 751 |
| | CustomerConsent <CstmrCnsnt> | [0..1] | Indicator | | 752 |
| | CardProgrammeProposed <CardPrgrmmPropsd> | [0..*] | Text | | 752 |
| | CardProgrammeApplied <CardPrgrmmApId> | [0..1] | Text | | 752 |
| | SaleToPOIData <SaleToPOIData> | [0..1] | Text | | 752 |
| | SaleToAcquirerData <SaleToAcqrrData> | [0..1] | Text | | 753 |
| | SaleToIssuerData <SaleTolssrData> | [0..1] | Text | | 753 |
| | AdditionalTransactionData <AddtlTxData> | [0..*] | Text | | 753 |

16.4.2.3.6.6.3 CustomerOrder <CstmrOrdr>

Presence: [0..*]

Definition: Updated Customer order list after reversal.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | CustomerOrderIdentification <CstmrOrdrId> | [1..1] | Text | | 912 |
| | SaleReferenceIdentification <SaleRefId> | [1..1] | Text | | 912 |
| | OpenOrderState <OpnOrdrStat> | [0..1] | Indicator | | 913 |
| | StartDate <StartDt> | [1..1] | DateTime | | 913 |
| | EndDate <EndDt> | [0..1] | DateTime | | 913 |
| | Unit <Unit> | [0..1] | CodeSet | | 913 |
| | ForecastedAmount <FrcstdAmt> | [1..1] | Amount | | 913 |
| | CurrentAmount <CurAmt> | [0..1] | Amount | | 913 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 913 |
| | AccessedBy <AccsdBy> | [0..1] | Text | | 914 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 914 |

16.4.2.3.6.7 ReversedAmount <RvsdAmt>

Presence: [0..1]

Definition: Amount that have been reverse.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

16.4.2.3.6.8 Receipt <Rct>

Presence: [0..*]

Definition: Various receipts linked to the reversal.

Receipt <Rct> contains the following elements (see "[PaymentReceipt6](#)" on page 804 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 804 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 805 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 805 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 805 |

16.4.2.3.7 RepeatedStoredValueResponse <RpeatdStordValRspn>

Presence: [0..1]

Definition: Content of the requested StoredValue Message Response.

RepeatedStoredValueResponse <RpeatdStordValRspn> contains the following **StoredValueResponse7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 606 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 607 |
| | Result <Rslt> | [0..*] | | | 607 |
| | Provider <Prvdr> | [0..1] | Text | | 608 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 608 |
| | AccountIdentification <AcctId> | [0..1] | | | 609 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 609 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 610 |
| | Identification <Id> | [0..1] | Text | | 610 |
| | Brand <Brnd> | [0..1] | Text | | 611 |
| | Provider <Prvdr> | [0..1] | Text | | 611 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 611 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 611 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 611 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 612 |
| | Balance <Bal> | [0..1] | Amount | | 612 |
| | OriginalPOITransaction <OrgnlPOITx> | [0..1] | ± | | 612 |
| | ProductCode <PdctCd> | [0..1] | Text | | 617 |
| | EANUPC <EANUPC> | [0..1] | Text | | 617 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 617 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 617 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 618 |
| | Receipt <Rct> | [0..*] | ± | | 618 |

16.4.2.3.7.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.7.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.7.3 Result <RsIt>

Presence: [0..*]

Definition: Result of loading/reloading a stored value card.

Result <RsIt> contains the following **StoredValueData7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Provider <Prvdr> | [0..1] | Text | | 608 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 608 |
| | AccountIdentification <AcctId> | [0..1] | | | 609 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 609 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 610 |
| | Identification <Id> | [0..1] | Text | | 610 |
| | Brand <Brnd> | [0..1] | Text | | 611 |
| | Provider <Prvdr> | [0..1] | Text | | 611 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 611 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 611 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 611 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 612 |
| | Balance <Bal> | [0..1] | Amount | | 612 |
| | OriginalPOITransaction <OrgnlPOITx> | [0..1] | ± | | 612 |
| | ProductCode <PdctCd> | [0..1] | Text | | 617 |
| | EANUPC <EANUPC> | [0..1] | Text | | 617 |
| | ItemAmount <ItmAmt> | [0..1] | Amount | | 617 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 617 |
| | HostTransactionIdentification <HstTxId> | [0..1] | ± | | 618 |

16.4.2.3.7.3.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identification of the provider of the stored value account load/reload.

Datatype: "Max35Text" on page 1088

16.4.2.3.7.3.2 TransactionType <TxTp>

Presence: [1..1]

Definition: Identification of operation to proceed on the stored value account or the stored value card.

Datatype: "StoredValueTransactionType3Code" on page 1073

| CodeName | Name | Definition |
|----------|-----------|---|
| ACTV | Activate | Activate the account or the card. |
| DUPL | Duplicate | Duplicate the code or number provided by the loading or activation. |

| CodeName | Name | Definition |
|----------|--------------|--|
| LOAD | Load | Load the account or the card with money. |
| RESV | Reserve | Reserve the account (e.g. get an activation code). |
| REVS | Reverse | Reverse an activation or loading. |
| ULOA | Unload | Unload the account. |
| CLOS | CloseAccount | Close the account. |
| DCTV | Deactivate | Deactivate the account or the card. |
| OPEN | OpenAccount | Open the account. |
| BALC | Balance | Balance enquiry. |

16.4.2.3.7.3.3 AccountIdentification <AcctId>

Presence: [0..1]

Definition: Identification of the stored value account or the stored value card.

AccountIdentification <AcctId> contains the following **StoredValueAccount2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AccountType <AcctTp> | [0..1] | CodeSet | | 609 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 610 |
| | Identification <Id> | [0..1] | Text | | 610 |
| | Brand <Brnd> | [0..1] | Text | | 611 |
| | Provider <Prvdr> | [0..1] | Text | | 611 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 611 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 611 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 611 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 612 |
| | Balance <Bal> | [0..1] | Amount | | 612 |

16.4.2.3.7.3.3.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

| CodeName | Name | Definition |
|----------|--------------------|--|
| BNKA | BankPrepaidAccount | Prepaid account managed by a financial institution for low income customers. |
| CWVC | CarwashVoucher | Car wash specific account. |

| CodeName | Name | Definition |
|----------|------------------------|--|
| CPYA | CompanyPrepaidAccount | Specific prepaid account for companies or professionals expenses. |
| ELMY | ElectronicMoneyAccount | Account supporting e-money issued by an electronic money issuer. |
| GIFT | GiftCard | Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once. |
| GCER | GiftCertificate | Certificate to be given to a customer. Usually one shot voucher. |
| MLVC | MealVoucher | Meal and check voucher for restaurants. |
| OLVC | OnlineVoucher | Voucher that can be used online once or in several times. |
| MERC | MerchantAccount | Prepaid account open with a merchant or big retailers. |
| OTHR | OtherPrepaidAccount | Other non listed stored value instrument. |
| PHON | PhoneCard | Stored value instrument used to pay telephone services (e.g. card or identifier). |
| CARD | SmartCardTag | Stored value account hold on the chip of a smart card. |
| TRVL | Travel | Travel prepaid account. |

16.4.2.3.7.3.3.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: ["CardIdentificationType1Code" on page 1034](#)

| CodeName | Name | Definition |
|----------|--------------------------------|--|
| ACCT | AccountNumber | Account identification. |
| BARC | BarCode | Bar-code with a specific form of identification. |
| ISO2 | ISOTrack2 | ISO Track 2 including identification. |
| PHON | PhoneNumber | A phone number identifies the account on which the phone card is assigned. |
| CPAN | PrimaryAccountNumber | Standard card identification (card number). |
| PRIV | PrivativeNumbering | An identification set by a privative application. |
| UUID | UniversalUniquelIdentification | A Universal Unique Identification code is set for identification. |

16.4.2.3.7.3.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 1088

16.4.2.3.7.3.3.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

16.4.2.3.7.3.3.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

16.4.2.3.7.3.3.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

16.4.2.3.7.3.3.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

16.4.2.3.7.3.3.8 EntryMode <NtryMd>

Presence: [0..1]

Definition: Standard or last entry mode to access the Stored Value account or card.

Datatype: "CardDataReading8Code" on page 1033

| CodeName | Name | Definition |
|----------|--------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

16.4.2.3.7.3.3.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

16.4.2.3.7.3.3.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

16.4.2.3.7.3.4 OriginalPOITransaction <OrgnPOITx>

Presence: [0..1]

Definition: Identification of a previous POI transaction.

OriginalPOITransaction <OrgnPOITx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | TransactionCapture <TxCaptr> | [0..1] | Indicator | | 713 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 713 |
| | AdditionalService <AddtlSvc> | [0..*] | CodeSet | | 714 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 714 |
| | LastTransactionFlag <LastTxFlg> | [0..1] | Indicator | | 715 |
| | MerchantCategoryCode <MrchntCtgyCd> | [0..1] | Text | | 715 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 715 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 715 |
| | OriginalTransaction <OrgnTx> | [0..1] | | | 716 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 718 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 718 |
| | POIIdentification <POId> | [1..1] | ± | | 718 |
| | CurrencyConversion <CcyConvs> | [0..1] | | | 718 |
| | Result <Rslt> | [1..1] | CodeSet | | 721 |
| | ResultReason <RsltRsn> | [0..1] | Text | | 721 |
| | ConversionDetails <ConvsDtls> | [0..*] | | | 721 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 723 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 723 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <Dcm> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 724 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 724 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 724 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 724 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 724 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 724 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 724 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |
| | Decimal <DcmI> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 725 |
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 726 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 727 |
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 727 |
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | DeclarationDetails <DclrtnDtls> | [0..*] | ± | | 727 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 728 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 728 |
| | IssuerCITIdentification <IssrCITId> | [0..1] | Text | | 728 |
| | MerchantCITIdentification <MrchntCITId> | [0..1] | Text | | 728 |
| | TransactionDetails <TxDtls> | [1..1] | | | 729 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 732 |
| | TotalAmount <TtlAmt> | [1..1] | Amount | | 732 |
| | CumulativeAmount <CmltvAmt> | [0..1] | Amount | | 732 |
| | AmountQualifier <AmtQlfr> | [0..1] | CodeSet | | 732 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 732 |
| | RequestedAmount <ReqdAmt> | [0..1] | Amount | | 733 |
| | AuthorisedAmount <AuthrsdAmt> | [0..1] | Amount | | 733 |
| | InvoiceAmount <InvcAmt> | [0..1] | Amount | | 733 |
| | ValidityDate <VldtyDt> | [0..1] | Date | | 733 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | OnLineReason <OnLineRsn> | [0..*] | CodeSet | | 733 |
| | UnattendedLevelCategory <UattnndLvlCtgy> | [0..1] | Text | | 734 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 734 |
| | CurrencyConversionResult <CcyConvsRslt> | [0..1] | | | 735 |
| | AcceptedByCardholder <AccptdByCrdhldr> | [0..1] | Indicator | | 737 |
| | Conversion <Convs> | [0..1] | | | 737 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 739 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 739 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <Dcm/> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 740 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 740 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 740 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 740 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 740 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 740 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 740 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <Dcm/> | [0..1] | Quantity | | 741 |
| | Name <Nm> | [0..1] | Text | | 741 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 741 |
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 742 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 743 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 743 |
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 743 |
| | Instalment <Instlmt> | [0..*] | ± | | 744 |
| | Recurring <Rcrng> | [0..1] | ± | | 745 |
| | AggregationTransaction <AggtnTx> | [0..1] | ± | | 746 |
| | ProductCodeSetIdentification <PdctCdSetId> | [0..1] | Text | | 746 |
| | SaleItem <Saleitm> | [0..*] | ± | | 746 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 747 |
| | ReSubmissionCounter <ReSubmissnCntr> | [0..1] | Quantity | | 747 |
| | CompletionSequenceNumber <CmpltnSeqNb> | [0..1] | Quantity | | 747 |
| | CompletionSequenceCounter <CmpltnSeqCntr> | [0..1] | Quantity | | 747 |
| | TotalAuthorisedAmount <TtlAuthrsdAmt> | [0..1] | Amount | | 748 |
| | AdditionalInformation <AddtlInf> | [0..*] | | | 748 |
| | Identification <Id> | [1..1] | Text | | 748 |
| | Value <Val> | [0..1] | Binary | | 748 |
| | ProtectedValue <PrctdVal> | [0..1] | ± | | 748 |
| | Type <Tp> | [0..1] | Text | | 749 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 749 |
| | AuthorisationResult <AuthstnRslt> | [0..1] | | | 749 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 749 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 750 |
| | Response <Rspn> | [1..1] | CodeSet | | 750 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 750 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 751 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 751 |
| | MerchantReferenceData <MrchntRefData> | [0..1] | Text | | 751 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 751 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CustomerToken <CstmrTkn> | [0..1] | ± | | 751 |
| | CustomerConsent <CstmrCnsnt> | [0..1] | Indicator | | 752 |
| | CardProgrammeProposed <CardPrgrmmPropsd> | [0..*] | Text | | 752 |
| | CardProgrammeApplied <CardPrgrmmApId> | [0..1] | Text | | 752 |
| | SaleToPOIData <SaleToPOIData> | [0..1] | Text | | 752 |
| | SaleToAcquirerData <SaleToAcqrrData> | [0..1] | Text | | 753 |
| | SaleToIssuerData <SaleTolssrData> | [0..1] | Text | | 753 |
| | AdditionalTransactionData <AddtlTxData> | [0..*] | Text | | 753 |

16.4.2.3.7.3.5 ProductCode <PdctCd>*Presence:* [0..1]*Definition:* Product code of item purchased with the transaction.*Datatype:* ["Max35Text" on page 1088](#)**16.4.2.3.7.3.6 EANUPC <EANUPC>***Presence:* [0..1]*Definition:* Standard European Article Number Universal Product Code of item purchased with the transaction.*Datatype:* ["Max35NumericText" on page 1088](#)**16.4.2.3.7.3.7 ItemAmount <ItmAmt>***Presence:* [0..1]*Definition:* Total amount of the item line.*Datatype:* ["ImpliedCurrencyAndAmount" on page 1013](#)**16.4.2.3.7.3.8 Currency <Ccy>***Presence:* [0..1]*Definition:* Currency of the monetary amount.*Impacted by:* [C1 "ActiveCurrency"](#)*Datatype:* ["ActiveCurrencyCode" on page 1017](#)**Constraints****• ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217

Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

16.4.2.3.7.3.9 HostTransactionIdentification <HstTxId>

Presence: [0..1]

Definition: Identification of the transaction by the host in charge of the stored value transaction.

HostTransactionIdentification <HstTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.7.4 Receipt <Rct>

Presence: [0..*]

Definition: Customer or Merchant payment receipt.

Receipt <Rct> contains the following elements (see "[PaymentReceipt6](#)" on page 804 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 804 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 805 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 805 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 805 |

16.4.2.3.8 RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn>

Presence: [0..1]

Definition: Content of the requested CardAcquisition Message Response.

RepeatedCardAcquisitionResponse <RpeatdCardAcqstnRspn> contains the following **CardAcquisitionResponse3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | SaleTransactionIdentification <SaleTxId> | [0..1] | ± | | 618 |
| | POITransactionIdentification <POITxId> | [1..1] | ± | | 619 |
| | PaymentBrand <PmtBrnd> | [0..*] | Text | | 619 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C7 | 619 |
| | LoyaltyAccount <LityAcct> | [0..*] | ± | | 619 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 620 |

16.4.2.3.8.1 SaleTransactionIdentification <SaleTxId>

Presence: [0..1]

Definition: Sale System identification of the transaction in an unambiguous way.

SaleTransactionIdentification <SaleTxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.8.2 POITransactionIdentification <POITxId>

Presence: [1..1]

Definition: Unique identification of a POI transaction.

POITransactionIdentification <POITxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

16.4.2.3.8.3 PaymentBrand <PmtBrnd>

Presence: [0..*]

Definition: Type of payment card.

Datatype: "[Max35Text](#)" on page 1088

16.4.2.3.8.4 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: [C7 "ValidationByTable"](#)

Datatype: "[LanguageCode](#)" on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

16.4.2.3.8.5 LoyaltyAccount <LltyAcct>

Presence: [0..*]

Definition: Loyalty account information.

LoyaltyAccount <LltyAcct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|---------|-------------|------|
| | LoyaltyIdentification <LltyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

16.4.2.3.8.6 CustomerOrder <CstmrOrdr>

Presence: [0..*]

Definition: Customer order attached to a customer, recorded in the POI system.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | CustomerOrderIdentification <CstmrOrdrId> | [1..1] | Text | | 912 |
| | SaleReferenceIdentification <SaleRefId> | [1..1] | Text | | 912 |
| | OpenOrderState <OpnOrdrStat> | [0..1] | Indicator | | 913 |
| | StartDate <StartDt> | [1..1] | DateTime | | 913 |
| | EndDate <EndDt> | [0..1] | DateTime | | 913 |
| | Unit <Unit> | [0..1] | CodeSet | | 913 |
| | ForecastedAmount <FrcstdAmt> | [1..1] | Amount | | 913 |
| | CurrentAmount <CurAmt> | [0..1] | Amount | | 913 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 913 |
| | AccessedBy <AccsdBy> | [0..1] | Text | | 914 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 914 |

16.4.2.3.9 RepeatedSendApplicationProtocolDataUnitCardReaderResponse <RpeatdSndApplPrtcolDataUnitCardRdrRspn>

Presence: [0..1]

Definition: Content of the requested SendApplicationProtocolDataUnitCardReader Message Response.

RepeatedSendApplicationProtocolDataUnitCardReaderResponse
<RpeatdSndApplPrtcolDataUnitCardRdrRspn> contains the following
DeviceSendApplicationProtocolDataUnitCardReaderResponse1 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|--------|-------------|------|
| | Data <Data> | [0..1] | Binary | | 621 |
| | CardStatus <CardSts> | [1..1] | Binary | | 621 |

16.4.2.3.9.1 Data <Data>

Presence: [0..1]

Definition: Class field of the Application Protocol Data Unit command (CLA).

Datatype: "Min1Max256Binary" on page 1016

16.4.2.3.9.2 CardStatus <CardSts>

Presence: [1..1]

Definition: Status of a smartcard response to a command (SW1-SW2). Reference: ISO 7816-4.

Datatype: "Min1Max256Binary" on page 1016

16.4.2.4 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 911 |

16.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: [C6 "SupplementaryDataRule"](#)

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

16.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on [page 997](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

17 casp.016.001.06 SaleToPOIDeviceRequestV06

17.1 MessageDefinition Functionality

The SaleTOPOIDeviceRequest message is sent by the sale system to POI system to request a device service.

Outline

The SaleToPOIDeviceRequestV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. DeviceRequest

Information related to a device request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

17.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | <i>Message root <Document> <SaleToPOIDvcReq></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 624 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 624 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 625 | |
| | Exchangelidentification <XchgId> | [1..1] | Text | 626 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 626 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 626 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 626 | |
| | Traceability <TracBlt> | [0..*] | ± | 627 | |
| | DeviceRequest <DvcReq> | [1..1] | ± | 627 | |
| | SecurityTrailer <ScTyTrlr> | [0..1] | ± | 630 | |

17.3 Constraints

C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with

the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

C5 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C6 ValidationByTable

Must be a valid terrestrial language.

17.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

17.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 624 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 625 |
| | ExchangIdentification <XchgId> | [1..1] | Text | | 626 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 626 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 626 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 626 |
| | Traceability <Tracblt> | [0..*] | ± | | 627 |

17.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "RetailerMessage1Code" on page 1062

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

17.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 1089

17.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

17.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: "ISODateTime" on page 1081

17.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

17.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

17.4.1.7 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability8" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

17.4.2 DeviceRequest <DvcReq>

Presence: [1..1]

Definition: Information related to a device request.

DeviceRequest <DvcReq> contains the following elements (see "DeviceRequest7" on page 639 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | Environment <Envt> | [0..1] | ± | | 642 |
| | Context <Cntxt> | [0..1] | ± | | 648 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 651 |
| | DisplayRequest <DispReq> | [0..1] | | | 651 |
| | DisplayOutput <DispOutpt> | [1..*] | ± | | 651 |
| | InputRequest <InptReq> | [0..1] | | | 652 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 653 |
| | InputData <InptData> | [1..1] | | | 654 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 655 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 655 |
| | InputCommand <InptCmd> | [1..1] | CodeSet | | 656 |
| | NotifyCardInputFlag <NtfyCardInptFlg> | [1..1] | Indicator | | 657 |
| | MaximumInputTime <MaxInptTm> | [0..1] | Quantity | | 657 |
| | InputText <InptTxt> | [0..1] | ± | | 657 |
| | ImmediateResponseFlag <ImdtRspnFlg> | [0..1] | Indicator | | 658 |
| | WaitUserValidationFlag <WaitUsrVldtnFlg> | [0..1] | Indicator | | 658 |
| | BeepKeyFlag <BeepKeyFlg> | [0..1] | Indicator | | 658 |
| | GlobalCorrectionFlag <GblCrrctnFlg> | [0..1] | Indicator | | 659 |
| | DisableCancelFlag <Dsb/CclFlg> | [0..1] | Indicator | | 659 |
| | DisableCorrectFlag <Dsb/CrrctFlg> | [0..1] | Indicator | | 659 |
| | DisableValidFlag <Dsb/VldFlg> | [0..1] | Indicator | | 659 |
| | MenuBackFlag <MenuBckFlg> | [0..1] | Indicator | | 659 |
| | PrintRequest <PrtReq> | [0..1] | | | 660 |
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 660 |
| | ResponseMode <RspnMd> | [1..1] | CodeSet | | 660 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 661 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 661 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 661 |
| | PlayResourceRequest <PlayRsrcReq> | [0..1] | | | 662 |
| | ResponseMode <RspnMd> | [0..1] | CodeSet | | 663 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | ResourceAction <RsrcActn> | [1..1] | CodeSet | | 663 |
| | SoundVolume <SoundVol> | [0..1] | Rate | | 663 |
| | DisplayResolution <DispRsltn> | [0..1] | Text | | 663 |
| | Resource <Rsrc> | [0..1] | | | 663 |
| | ResourceType <RsrcTp> | [1..1] | CodeSet | | 664 |
| | ResourceFormat <RsrcFrmt> | [0..1] | CodeSet | | 664 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 664 |
| | ResourceReference <RsrcRef> | [0..1] | Text | | 664 |
| | TimingSlot <TmgSlot> | [0..1] | CodeSet | | 665 |
| | SecureInputRequest <ScrInptReq> | [0..1] | | | 665 |
| | PINRequestType <PINReqTp> | [1..1] | CodeSet | | 665 |
| | PINVerificationMethod <PINVrfctnMtd> | [0..1] | Text | | 666 |
| | MaximumWaitingTime <MaxWtgTm> | [0..1] | Quantity | | 666 |
| | BeepKeyFlag <BeepKeyFlg> | [0..1] | Indicator | | 666 |
| | CardholderPIN <CrdhldrPIN> | [0..1] | | | 666 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 666 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 667 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 667 |
| | InitialisationCardReaderRequest <InitlstnCardRdrReq> | [0..1] | | | 667 |
| | WarmResetFlag <WarmRstFlg> | [0..1] | Indicator | | 668 |
| | ForceEntryMode <ForceNtryMd> | [0..*] | CodeSet | | 668 |
| | LeaveCardFlag <LeavCardFlg> | [0..1] | Indicator | | 669 |
| | MaximumWaitingTime <MaxWtgTm> | [0..1] | Quantity | | 669 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 669 |
| | CardReaderAPDUREquest <CardRdrAPDUREq> | [0..1] | | | 670 |
| | Class <Clss> | [1..1] | Binary | | 670 |
| | Instruction <Instr> | [1..1] | Binary | | 670 |
| | Parameter1 <Param1> | [1..1] | Binary | | 670 |
| | Parameter2 <Param2> | [1..1] | Binary | | 670 |
| | Data <Data> | [0..1] | Binary | | 670 |
| | ExpectedLength <XpctdLngrth> | [0..1] | Binary | | 670 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | PowerOffCardReaderRequest <PwrOffCardRdrReq> | [0..1] | | | 671 |
| | PowerOffMaximumWaitingTime <PwrOffMaxWtgTm> | [0..1] | Quantity | | 671 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 671 |
| | TransmissionRequest <TrnsmssnReq> | [0..1] | | | 672 |
| | DestinationAddress <DstnAdr> | [1..1] | ± | | 672 |
| | MaximumTransmissionTime <MaxTrnsmssnTm> | [1..1] | Quantity | | 673 |
| | MaximumWaitingTime <MaxWtgTm> | [0..1] | Quantity | | 673 |
| | MessageToSend <MsgToSnd> | [1..1] | Binary | | 673 |
| | InputNotification <InptNtfctn> | [0..1] | | | 673 |
| | ExchangIdentification <XchgId> | [1..1] | Text | | 673 |
| | OutputContent <OutptCntt> | [1..1] | ± | | 674 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 674 |

17.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

18 casp.017.001.06 SaleToPOIDeviceResponseV06

18.1 MessageDefinition Functionality

The SaleToPOIDeviceResponse message is sent by a POI System to sale system to provide result of a device request.

Outline

The SaleToPOIDeviceResponseV06 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Set of characteristics related to the transfer of the request.

B. DeviceResponse

Information related to the response of a device request.

C. SecurityTrailer

Trailer of the message containing a MAC or a digital signature.

18.2 Structure

| Or | MessageElement/BuildingBlock<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | <i>Message root <Document> <SaleToPOIDvcRspn></i> | [1..1] | | | |
| | Header <Hdr> | [1..1] | | 632 | |
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | 632 | |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | 633 | |
| | Exchangelidentification <XchgId> | [1..1] | Text | 634 | |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | 634 | |
| | InitiatingParty <InitgPty> | [1..1] | ± | 634 | |
| | RecipientParty <RcptPty> | [0..1] | ± | 634 | |
| | Traceability <TracBlt> | [0..*] | ± | 635 | |
| | DeviceResponse <DvcRspn> | [1..1] | ± | 635 | |
| | SecurityTrailer <ScTyTrlr> | [0..1] | ± | 637 | |

18.3 Constraints

C1 ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with

the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

C2 AnyBIC

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

C3 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C4 IBAN

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

C5 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C6 ValidationByTable

Must be a valid terrestrial language.

18.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

18.4.1 Header <Hdr>

Presence: [1..1]

Definition: Set of characteristics related to the transfer of the request.

Header <Hdr> contains the following **Header41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | MessageFunction <MsgFctn> | [1..1] | CodeSet | | 632 |
| | ProtocolVersion <PrtcolVrsn> | [1..1] | Text | | 633 |
| | ExchangIdentification <XchgId> | [1..1] | Text | | 634 |
| | CreationDateTime <CreDtTm> | [1..1] | DateTime | | 634 |
| | InitiatingParty <InitgPty> | [1..1] | ± | | 634 |
| | RecipientParty <RcptPty> | [0..1] | ± | | 634 |
| | Traceability <Tracblt> | [0..*] | ± | | 635 |

18.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "RetailerMessage1Code" on page 1062

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

18.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer protocol specifications.

Datatype: "Max6Text" on page 1089

18.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max35Text" on page 1088

18.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was created.

Datatype: "ISODateTime" on page 1081

18.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

18.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "GenericIdentification177" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

18.4.1.7 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability8" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <RlayId> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

18.4.2 DeviceResponse <DvcRspn>

Presence: [1..1]

Definition: Information related to the response of a device request.

DeviceResponse <DvcRspn> contains the following elements (see "DeviceResponse7" on page 675 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Environment <Envt> | [0..1] | ± | | 677 |
| | Context <Cntxt> | [0..1] | ± | | 683 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 686 |
| | DisplayResponse <DispRspn> | [0..1] | | | 686 |
| | OutputResult <OutptRsIt> | [1..*] | | | 687 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 687 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 687 |
| | Response <Rspn> | [1..1] | ± | | 688 |
| | InputResponse <InptRspn> | [0..1] | | | 688 |
| | OutputResult <OutptRsIt> | [0..1] | | | 689 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 689 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 690 |
| | Response <Rspn> | [1..1] | ± | | 691 |
| | InputResult <InptRsIt> | [1..1] | | | 691 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 691 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 692 |
| | InputResultData <InptRsItData> | [1..1] | | | 692 |
| | InputCommand <InptCmd> | [1..1] | CodeSet | | 693 |
| | ConfirmedFlag <ConfdFlg> | [0..1] | Indicator | | 694 |
| | FunctionKey <FctnKey> | [0..1] | Quantity | | 694 |
| | InputMessage <InptMsg> | [0..1] | Text | | 694 |
| | Password <Pwd> | [0..1] | ± | | 694 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 695 |
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 695 |
| | ImageData <ImgData> | [0..1] | Binary | | 695 |
| | ImageReference <ImgRef> | [0..1] | Text | | 695 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 695 |
| | PrintResponse <PrtRspn> | [0..1] | | | 695 |
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 695 |
| | SecureInputResponse <ScrInptRspn> | [0..1] | | | 696 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | CardholderPIN <CrdhldrPIN> | [0..1] | | | 696 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 697 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 697 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 697 |
| | InitialisationCardReaderResponse <InitlstnCardRdrRspn> | [0..1] | | | 697 |
| | CardEntryMode <CardNtryMd> | [0..1] | CodeSet | | 698 |
| | ICCResetData <ICCRstData> | [0..1] | | | 698 |
| | ATRValue <ATRVal> | [0..1] | Binary | | 699 |
| | CardStatus <CardSts> | [0..1] | Binary | | 699 |
| | AdditionalInformation <AddtlInf> | [0..1] | Binary | | 699 |
| | CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn> | [0..1] | | | 699 |
| | Data <Data> | [0..1] | Binary | | 699 |
| | CardStatus <CardSts> | [1..1] | Binary | | 699 |
| | TransmissionResponse <TrnsmssnRspn> | [0..1] | | | 700 |
| | ReceivedMessage <RcvdMsg> | [0..1] | Binary | | 700 |
| | Response <Rspn> | [1..1] | ± | | 700 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 700 |

18.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC or a digital signature.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType38](#)" on page 997 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

19 Message Items Types

19.1 MessageComponents

19.1.1 Acquirer

19.1.1.1 Acquirer10

Definition: Acquirer involved in the card payment.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|------|-------------|------|
| | Identification < <i>Id</i> > | [0..1] | ± | | 638 |
| | ParametersVersion < <i>ParamsVrsn</i> > | [0..1] | Text | | 638 |

19.1.1.1.1 Identification <*Id*>

Presence: [0..1]

Definition: Identification of the acquirer (for example the bank identification number BIN).

Identification <*Id*> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Identification < <i>Id</i> > | [1..1] | Text | | 755 |
| | Type < <i>Tp</i> > | [0..1] | CodeSet | | 755 |
| | Issuer < <i>Issr</i> > | [0..1] | CodeSet | | 756 |
| | Country < <i>Ctry</i> > | [0..1] | Text | | 756 |
| | ShortName < <i>ShrtNm</i> > | [0..1] | Text | | 756 |
| | RemoteAccess < <i>RmotAccs</i> > | [0..1] | ± | | 757 |
| | Geolocation < <i>Glctn</i> > | [0..1] | | | 757 |
| | GeographicCoordinates < <i>GeogcCordints</i> > | [0..1] | | | 757 |
| | Latitude < <i>Lat</i> > | [1..1] | Text | | 758 |
| | Longitude < <i>Long</i> > | [1..1] | Text | | 758 |
| | UTMCoordinates < <i>UTMCordints</i> > | [0..1] | | | 758 |
| | UTMZone < <i>UTMZone</i> > | [1..1] | Text | | 758 |
| | UTMEastward < <i>UTMEstwrd</i> > | [1..1] | Text | | 758 |
| | UTMNorthward < <i>UTMNrthwrd</i> > | [1..1] | Text | | 759 |

19.1.1.1.2 ParametersVersion <*ParamsVrsn*>

Presence: [0..1]

Definition: Version of the payment acquirer parameters of the POI.

Datatype: ["Max256Text" on page 1087](#)

19.1.1.2 KEKIdentifier7

Definition: Identification of a key encryption key (KEK), using previously distributed symmetric key.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|----------|-------------|------|
| | KeyIdentification <KeyId> | [1..1] | Text | | 639 |
| | KeyVersion <KeyVrsn> | [1..1] | Text | | 639 |
| | SequenceNumber <SeqNb> | [0..1] | Quantity | | 639 |
| | DerivationIdentification <DerivtnId> | [0..1] | Binary | | 639 |

19.1.1.2.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: ["Max140Text" on page 1086](#)

19.1.1.2.2 KeyVersion <KeyVrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: ["Max140Text" on page 1086](#)

19.1.1.2.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: ["Number" on page 1084](#)

19.1.1.2.4 DerivationIdentification <DerivtnId>

Presence: [0..1]

Definition: Identification used for derivation of a unique key from a master key provided for the data protection.

Datatype: ["Max500Binary" on page 1016](#)

19.1.2 Action

19.1.2.1 DeviceRequest7

Definition: Specifies the environment, the context and the services to be used with a device request message.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Environment < <i>Envt</i> > | [0..1] | ± | | 642 |
| | Context < <i>Cntxt</i> > | [0..1] | ± | | 648 |
| | ServiceContent < <i>SvcCntr</i> > | [1..1] | CodeSet | | 651 |
| | DisplayRequest < <i>DispReq</i> > | [0..1] | | | 651 |
| | DisplayOutput < <i>DispOutpt</i> > | [1..*] | ± | | 651 |
| | InputRequest < <i>InptReq</i> > | [0..1] | | | 652 |
| | DisplayOutput < <i>DispOutpt</i> > | [0..1] | ± | | 653 |
| | InputData < <i>InptData</i> > | [1..1] | | | 654 |
| | DeviceType < <i>DvcTp</i> > | [1..1] | CodeSet | | 655 |
| | InformationQualifier < <i>InfQlfr</i> > | [1..1] | CodeSet | | 655 |
| | InputCommand < <i>InptCmd</i> > | [1..1] | CodeSet | | 656 |
| | NotifyCardInputFlag < <i>NtfyCardInptFlg</i> > | [1..1] | Indicator | | 657 |
| | MaximumInputTime < <i>MaxInptTm</i> > | [0..1] | Quantity | | 657 |
| | InputText < <i>InptTxt</i> > | [0..1] | ± | | 657 |
| | ImmediateResponseFlag < <i>ImdtRspnFlg</i> > | [0..1] | Indicator | | 658 |
| | WaitUserValidationFlag < <i>WaitUsrVldtnFlg</i> > | [0..1] | Indicator | | 658 |
| | BeepKeyFlag < <i>BeepKeyFlg</i> > | [0..1] | Indicator | | 658 |
| | GlobalCorrectionFlag < <i>GblCrrctnFlg</i> > | [0..1] | Indicator | | 659 |
| | DisableCancelFlag < <i>DsblCclFlg</i> > | [0..1] | Indicator | | 659 |
| | DisableCorrectFlag < <i>DsblCrrectFlg</i> > | [0..1] | Indicator | | 659 |
| | DisableValidFlag < <i>DsblVldFlg</i> > | [0..1] | Indicator | | 659 |
| | MenuBackFlag < <i>MenuBckFlg</i> > | [0..1] | Indicator | | 659 |
| | PrintRequest < <i>PrtReq</i> > | [0..1] | | | 660 |
| | DocumentQualifier < <i>DocQlfr</i> > | [1..1] | CodeSet | | 660 |
| | ResponseMode < <i>RspnMd</i> > | [1..1] | CodeSet | | 660 |
| | IntegratedPrintFlag < <i>IntgrtdPrtFlg</i> > | [0..1] | Indicator | | 661 |
| | RequiredSignatureFlag < <i>ReqrdSgntrFlg</i> > | [0..1] | Indicator | | 661 |
| | OutputContent < <i>OutptCntr</i> > | [1..1] | ± | | 661 |
| | PlayResourceRequest < <i>PlayRsrcReq</i> > | [0..1] | | | 662 |
| | ResponseMode < <i>RspnMd</i> > | [0..1] | CodeSet | | 663 |
| | ResourceAction < <i>RsrcActn</i> > | [1..1] | CodeSet | | 663 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | SoundVolume <SoundVol> | [0..1] | Rate | | 663 |
| | DisplayResolution <DispRsltn> | [0..1] | Text | | 663 |
| | Resource <Rsrc> | [0..1] | | | 663 |
| | ResourceType <RsrcTp> | [1..1] | CodeSet | | 664 |
| | ResourceFormat <RsrcFrmt> | [0..1] | CodeSet | | 664 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 664 |
| | ResourceReference <RsrcRef> | [0..1] | Text | | 664 |
| | TimingSlot <TmgSlot> | [0..1] | CodeSet | | 665 |
| | SecureInputRequest <ScrlInptReq> | [0..1] | | | 665 |
| | PINRequestType <PINReqTp> | [1..1] | CodeSet | | 665 |
| | PINVerificationMethod <PINVrfctnMtd> | [0..1] | Text | | 666 |
| | MaximumWaitingTime <MaxWtgTm> | [0..1] | Quantity | | 666 |
| | BeepKeyFlag <BeepKeyFlg> | [0..1] | Indicator | | 666 |
| | CardholderPIN <CrdhldrPIN> | [0..1] | | | 666 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 666 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 667 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 667 |
| | InitialisationCardReaderRequest <InitlstnCardRdrReq> | [0..1] | | | 667 |
| | WarmResetFlag <WarmRstFlg> | [0..1] | Indicator | | 668 |
| | ForceEntryMode <ForceNtryMd> | [0..*] | CodeSet | | 668 |
| | LeaveCardFlag <LeavCardFlg> | [0..1] | Indicator | | 669 |
| | MaximumWaitingTime <MaxWtgTm> | [0..1] | Quantity | | 669 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 669 |
| | CardReaderAPDUREquest <CardRdrAPDUREq> | [0..1] | | | 670 |
| | Class <Clss> | [1..1] | Binary | | 670 |
| | Instruction <Instr> | [1..1] | Binary | | 670 |
| | Parameter1 <Param1> | [1..1] | Binary | | 670 |
| | Parameter2 <Param2> | [1..1] | Binary | | 670 |
| | Data <Data> | [0..1] | Binary | | 670 |
| | ExpectedLength <XpctdLngth> | [0..1] | Binary | | 670 |
| | PowerOffCardReaderRequest <PwrOffCardRdrReq> | [0..1] | | | 671 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | PowerOffMaximumWaitingTime <PwrOffMaxWtgTm> | [0..1] | Quantity | | 671 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 671 |
| | TransmissionRequest <TrnsmssnReq> | [0..1] | | | 672 |
| | DestinationAddress <DstnAdr> | [1..1] | ± | | 672 |
| | MaximumTransmissionTime <MaxTrnsmssnTm> | [1..1] | Quantity | | 673 |
| | MaximumWaitingTime <MaxWtgTm> | [0..1] | Quantity | | 673 |
| | MessageToSend <MsgToSnd> | [1..1] | Binary | | 673 |
| | InputNotification <InptNtfctn> | [0..1] | | | 673 |
| | ExchangelIdentification <XchgId> | [1..1] | Text | | 673 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 674 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 674 |

19.1.2.1.1 Environment <Envt>

Presence: [0..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LtyAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpgAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmpn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

19.1.2.1.2 Context <Cntxt>

Presence: [0..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtdOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

19.1.2.1.3 ServiceContent <SvcCntr>

Presence: [1..1]

Definition: Define the type of service requested.

Datatype: ["RetailerService8Code" on page 1069](#)

| CodeName | Name | Definition |
|----------|--|---|
| DDYQ | DeviceDisplayRequest | One System requests the other to display a message for cashier or customer. |
| DINQ | DeviceInputRequest | One system requests to the other System to get data input. |
| DPRQ | DevicePrintRequest | One system requests to the other System to print data. |
| DSOQ | DevicePlaySoundRequest | One system requests to the Other System to play a sound. |
| DSIQ | DeviceSecureInputRequest | One system requests to the Other System to securely get data input (e.g. for PIN). |
| DCIQ | DeviceInitialisationCardReaderRequest | Service to send parameters to use when card reader initializes a new communication with the card. |
| DCAQ | DeviceSendApplicationProtocolDataUnitCardReaderRequest | A service to send commands to a card. |
| DCPQ | DevicePowerOffCardReaderRequest | The Sale system requests to the POI System to power off the card reader. |
| DCOQ | DeviceTransmissionMessageRequest | The Sale system requests to the POI System to transmit a message (for instance to a mobile server). |
| DINO | DeviceInputNotification | One system sends a notification to the POI System to update a input request. |

19.1.2.1.4 DisplayRequest <DispReq>

Presence: [0..1]

Definition: Content of the Display Request message.

DisplayRequest <DispReq> contains the following **DeviceDisplayRequest6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|------|-------------|------|
| | DisplayOutput <DispOutput> | [1..*] | ± | | 651 |

19.1.2.1.4.1 DisplayOutput <DispOutput>

Presence: [1..*]

Definition: Message to be displayed.

DisplayOutput <DispOutpt> contains the following elements (see ["ActionMessage11" on page 862](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrcd> | [0..1] | | | 865 |
| | BarcodeType <BrctTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrctVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.2.1.5 InputRequest <InptReq>

Presence: [0..1]

Definition: Content of the Input Request message.

InputRequest <InptReq> contains the following **DeviceInputRequest6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 653 |
| | InputData <InptData> | [1..1] | | | 654 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 655 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 655 |
| | InputCommand <InptCmd> | [1..1] | CodeSet | | 656 |
| | NotifyCardInputFlag <NtfyCardInptFlg> | [1..1] | Indicator | | 657 |
| | MaximumInputTime <MaxInptTm> | [0..1] | Quantity | | 657 |
| | InputText <InptTxt> | [0..1] | ± | | 657 |
| | ImmediateResponseFlag <ImdtRspnFlg> | [0..1] | Indicator | | 658 |
| | WaitUserValidationFlag <WaitUsrVldtnFlg> | [0..1] | Indicator | | 658 |
| | BeepKeyFlag <BeepKeyFlg> | [0..1] | Indicator | | 658 |
| | GlobalCorrectionFlag <GblCrctnFlg> | [0..1] | Indicator | | 659 |
| | DisableCancelFlag <DsbICclFlg> | [0..1] | Indicator | | 659 |
| | DisableCorrectFlag <DsbICrrctFlg> | [0..1] | Indicator | | 659 |
| | DisableValidFlag <DsbIVldFlg> | [0..1] | Indicator | | 659 |
| | MenuBackFlag <MenuBckFlg> | [0..1] | Indicator | | 659 |

19.1.2.1.5.1 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Information to display before input.

DisplayOutput <DispOutpt> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrccd> | [0..1] | | | 865 |
| | BarcodeType <BrccdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrccdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.2.1.5.2 InputData <InptData>

Presence: [1..1]

Definition: Information related to an Input request.

InputData <InptData> contains the following **InputData6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 655 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 655 |
| | InputCommand <InptCmd> | [1..1] | CodeSet | | 656 |
| | NotifyCardInputFlag <NtfyCardInptFlg> | [1..1] | Indicator | | 657 |
| | MaximumInputTime <MaxInptTm> | [0..1] | Quantity | | 657 |
| | InputText <InptTxt> | [0..1] | ± | | 657 |
| | ImmediateResponseFlag <ImdtRspnFlg> | [0..1] | Indicator | | 658 |
| | WaitUserValidationFlag <WaitUsrVldtnFlg> | [0..1] | Indicator | | 658 |
| | BeepKeyFlag <BeepKeyFlg> | [0..1] | Indicator | | 658 |
| | GlobalCorrectionFlag <GblCrrctnFlg> | [0..1] | Indicator | | 659 |
| | DisableCancelFlag <DsblCclFlg> | [0..1] | Indicator | | 659 |
| | DisableCorrectFlag <DsblCrrctFlg> | [0..1] | Indicator | | 659 |
| | DisableValidFlag <DsblVldFlg> | [0..1] | Indicator | | 659 |
| | MenuBackFlag <MenuBckFlg> | [0..1] | Indicator | | 659 |

19.1.2.1.5.2.1 DeviceType <DvcTp>

Presence: [1..1]

Definition: Type of logical device located on a Sale Terminal or a POI Terminal.

Datatype: ["SaleCapabilities2Code" on page 1072](#)

| CodeName | Name | Definition |
|----------|---------------|--|
| CHIN | CashierInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). The output device attached to this input device is the CashierDisplay device. |
| CUIN | CustomerInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). |

19.1.2.1.5.2.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualification of the information to output to the logical device.

Datatype: ["InformationQualify1Code" on page 1045](#)

| CodeName | Name | Definition |
|----------|--------------------|--|
| CUSA | CustomerAssistance | Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer. |
| DISP | Display | Standard display interface. |
| DOCT | Document | When the POI System wants to print specific document (check, dynamic currency conversion ...). Used by the Sale System when the printer is not located on the Sale System. |
| ERRO | Error | The information is related to an error situation occurring on the message sender. |
| INPT | Input | Answer to a question or information to be entered by the Cashier or the Customer, at the request of the POI Terminal or the Sale Terminal. |
| POIR | POIReplication | Information displayed on the Cardholder POI interface, replicated on the Cashier interface. |
| RCPT | Receipt | Where you print the Payment receipt that could be located on the Sale System or in some cases a restricted Sale ticket on the POI Terminal. |
| SOND | Sound | Standard sound interface. |
| STAT | Status | The information is a new state on which the message sender is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer. |
| VCHR | Voucher | Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed. |

19.1.2.1.5.2.3 InputCommand <InptCmd>

Presence: [1..1]

Definition: Type of requested input.

Datatype: ["InputCommand1Code" on page 1045](#)

| CodeName | Name | Definition |
|----------|-----------------|---|
| DCSG | DecimalString | Wait for a string of digit characters with a decimal point, the length range could be specified. |
| DGSG | DigitString | Wait for a string of digit characters. |
| GAKY | GetAnyKey | Wait for a key pressed on the Terminal, to be able to read the message displayed on the Terminal. |
| GCNF | GetConfirmation | Wait for a confirmation Yes (Y) or No (N) on the Sale System. Wait for a confirmation (Valid or Cancel button) on |

| CodeName | Name | Definition |
|----------|----------------|---|
| | | the POI Terminal. The result of the command is a Boolean: True or False. |
| GFKY | GetFunctionKey | Wait for a function key pressed on the Terminal: From POI, Valid, Clear, Correct, Generic Function key number. From Sale, Generic Function key. |
| GMNE | GetMenuEntry | To choose an entry among a list of entries (all of them are not necessary selectable). The OutputFormat has to be MenuEntry. |
| PSWD | Password | Request to enter a password with masked characters while typing the password. |
| SITE | SiteManager | Wait for a confirmation Yes (Y) or No (N) of the Site Manager on the Sale System. |
| TXSG | TextString | Wait for a string of alphanumeric characters. |
| HTML | XHTMLText | Wait for a XHTML data. |
| SIGN | Signature | Request to wait for signature. |

19.1.2.1.5.2.4 NotifyCardInputFlag <NtfyCardInptFlg>

Presence: [1..1]

Definition: Flag of notification of card to be entered in the POI card reader.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.5.2.5 MaximumInputTime <MaxInptTm>

Presence: [0..1]

Definition: Maximum input time in seconds.

Datatype: "[Number](#)" on page 1084

19.1.2.1.5.2.6 InputText <InptTxt>

Presence: [0..1]

Definition: Text value set for an input command.

InputText <InptTxt> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrccd> | [0..1] | | | 865 |
| | BarcodeType <BrccdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrccdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.2.1.5.2.7 ImmediateResponseFlag <ImdtRspnFlg>

Presence: [0..1]

Definition: Flag to request Immediate response without waiting for the completion of the command.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.5.2.8 WaitUserValidationFlag <WaitUsrVldtnFlg>

Presence: [0..1]

Definition: Flag to confirm by the user the entered characters, when the maximum allowed length is reached.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.5.2.9 BeepKeyFlag <BeepKeyFlg>

Presence: [0..1]

Definition: Flag to indicate that when the user press a key, a beep has to be generated.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.5.2.10 GlobalCorrectionFlag <GblCrrctnFlg>

Presence: [0..1]

Definition: Flag to correct all characters (True) or just the last one (False).

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.5.2.11 DisableCancelFlag <DsbICclFlg>

Presence: [0..1]

Definition: Flag to deactivate the "Cancel" function key.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.5.2.12 DisableCorrectFlag <DsbICrrctFlg>

Presence: [0..1]

Definition: Flag to deactivate the "Correct" function key.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.5.2.13 DisableValidFlag <DsbIVldFlg>

Presence: [0..1]

Definition: Flag to disable the "Valid" function key.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.5.2.14 MenuBackFlag <MenuBckFlg>

Presence: [0..1]

Definition: Flag to enable the "Back" function key to go the upper level.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.6 PrintRequest <PrtReq>

Presence: [0..1]

Definition: Content of the Print Request message.

PrintRequest <PrtReq> contains the following **DevicePrintRequest6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 660 |
| | ResponseMode <RspnMd> | [1..1] | CodeSet | | 660 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 661 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 661 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 661 |

19.1.2.1.6.1 DocumentQualifier <DocQlfr>

Presence: [1..1]

Definition: Qualifies the type of document.

Datatype: "DocumentType7Code" on page 1042

| CodeName | Name | Definition |
|----------|---------------------------|--|
| JNRL | Journal | When the POI or the Sale System wants to store a message on the journal printer or electronic journal of the Sale Terminal (it is sometimes a Sale Logging/Journal Printer). |
| CRCP | CustomerReceipt | When the Sale System requires the POI system to print the Customer receipt. |
| HRCP | CashierReceipt | When the Sale system print the Cashier copy of the Payment receipt. |
| SRCP | SaleReceipt | When the Sale System requires the POI system to print the Sale receipt. |
| RPIN | RelatedPaymentInstruction | Document is a linked payment instruction to which the current payment instruction is related, for example, in a cover scenario. |
| VCHR | Voucher | Document is an electronic payment document. |

19.1.2.1.6.2 ResponseMode <RspnMd>

Presence: [1..1]

Definition: Type of awaited response (none, immediate, after printing, after sound).

Datatype: "ResponseMode2Code" on page 1062

| CodeName | Name | Definition |
|----------|-----------|--|
| SEND | EndOfPlay | The Response is required at the end of play. |

| CodeName | Name | Definition |
|----------|-------------|---|
| IMMD | Immediate | The Message Response is immediate, after taking into account the request. |
| NREQ | NotRequired | The Message Response is not required, except in case of error. |
| PEND | PrintEnd | The Print Response is required at the end of print. |

19.1.2.1.6.3 IntegratedPrintFlag <IntgrtdPrtFlg>

Presence: [0..1]

Definition: Flag that the print is integrated to other prints.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.6.4 RequiredSignatureFlag <ReqrdSgntrFlg>

Presence: [0..1]

Definition: Flag to require a physical signature by the Customer.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.6.5 OutputContent <OutptCntr>

Presence: [1..1]

Definition: Content of the message to print.

OutputContent <OutptCntt> contains the following elements (see "ActionMessage11" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrCd> | [0..1] | | | 865 |
| | BarcodeType <BrCdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrCdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.2.1.7 PlayResourceRequest <PlayRsrcReq>

Presence: [0..1]

Definition: Content of the Resource Request message.

PlayResourceRequest <PlayRsrcReq> contains the following **DevicePlayResourceRequest1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------|--------|---------|-------------|------|
| | ResponseMode <RspnMd> | [0..1] | CodeSet | | 663 |
| | ResourceAction <RsrcActn> | [1..1] | CodeSet | | 663 |
| | SoundVolume <SoundVol> | [0..1] | Rate | | 663 |
| | DisplayResolution <DispRsltn> | [0..1] | Text | | 663 |
| | Resource <Rsrc> | [0..1] | | | 663 |
| | ResourceType <RsrcTp> | [1..1] | CodeSet | | 664 |
| | ResourceFormat <RsrcFrmt> | [0..1] | CodeSet | | 664 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 664 |
| | ResourceReference <RsrcRef> | [0..1] | Text | | 664 |
| | TimingSlot <TmgSlot> | [0..1] | CodeSet | | 665 |

19.1.2.1.7.1 ResponseMode <RspnMd>

Presence: [0..1]

Definition: Message response awaited by the initiator of the Request.

Datatype: ["ResponseMode2Code" on page 1062](#)

| CodeName | Name | Definition |
|----------|-------------|---|
| SEND | EndOfPlay | The Response is required at the end of play. |
| IMMD | Immediate | The Message Response is immediate, after taking into account the request. |
| NREQ | NotRequired | The Message Response is not required, except in case of error. |
| PEND | PrintEnd | The Print Response is required at the end of print. |

19.1.2.1.7.2 ResourceAction <RsrcActn>

Presence: [1..1]

Definition: Requested Action: Start to play a media resource, Stop to play a media resource, Set the default volume.

Datatype: ["ResourceAction1Code" on page 1061](#)

| CodeName | Name | Definition |
|----------|------------------|--|
| PAUS | Pause | Pause the media resource in progress as specified in the message. |
| STAS | Play | Start the media resource as specified in the message. |
| LOOP | PlayInLoop | Play in a loop the media resource as specified in the message. |
| RESU | Resume | Resume the progress of the media resource as specified in the message. |
| DVOL | SetDefaultVolume | Set the default volume of sounds. |
| STOS | Stop | Stop the media resource in progress. |

19.1.2.1.7.3 SoundVolume <SoundVol>

Presence: [0..1]

Definition: Volume of a sound, either in a percentage of the maximum volume, or 0 to mute.

Datatype: ["PercentageRate" on page 1085](#)

19.1.2.1.7.4 DisplayResolution <DispRsln>

Presence: [0..1]

Definition: Resolution to use.

Datatype: ["Max35Text" on page 1088](#)

19.1.2.1.7.5 Resource <Rsrc>

Presence: [0..1]

Definition: Identification of the resource to use.

Resource <Rsrc> contains the following **ResourceContent1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | ResourceType <RsrcTp> | [1..1] | CodeSet | | 664 |
| | ResourceFormat <RsrcFrmt> | [0..1] | CodeSet | | 664 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 664 |
| | ResourceReference <RsrcRef> | [0..1] | Text | | 664 |

19.1.2.1.7.5.1 ResourceType <RsrcTp>

Presence: [1..1]

Definition: Type of media resource.

Datatype: "ResourceType1Code" on page 1061

| CodeName | Name | Definition |
|----------|---------------------------|---|
| TEXT | TextToSpeech | Voice synthesis. |
| URLI | UniformResourceIdentifier | String of characters that unambiguously identifies a particular resource. |

19.1.2.1.7.5.2 ResourceFormat <RsrcFrmt>

Presence: [0..1]

Definition: Format of the media resource;

Datatype: "SoundFormat1Code" on page 1072

| CodeName | Name | Definition |
|----------|------------|--|
| MSGR | MessageRef | Reference of a preloaded text to play. |
| SNDR | SoundRef | Preloaded sound File. |
| TEXT | Text | Text to play. |

19.1.2.1.7.5.3 Language <Lang>

Presence: [0..1]

Definition: Language of the media resource.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.2.1.7.5.4 ResourceReference <RsrcRef>

Presence: [0..1]

Definition: Reference of a media resource.

Datatype: "Max1025Text" on page 1085

19.1.2.1.7.6 TimingSlot <TmgSlot>

Presence: [0..1]

Definition: Identification of the moment to manage the media resource.

Datatype: "ProcessingPosition2Code" on page 1059

| CodeName | Name | Definition |
|----------|-------------|---|
| AFTE | After | Specifies that the transaction/instruction is to be executed after the linked transaction/instruction. |
| WITH | With | Specifies that the transaction/instruction is to be executed with the linked transaction/instruction. |
| BEFO | Before | Specifies that the transaction/instruction is to be executed before the linked transaction/instruction. |
| INFO | Information | Specifies that the transactions/instructions are linked for information purposes only. |

19.1.2.1.8 SecureInputRequest <ScrInptReq>

Presence: [0..1]

Definition: Request a secure input for a PIN.

SecureInputRequest <ScrInptReq> contains the following **DeviceSecureInputRequest6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|-----------|-------------|------|
| | PINRequestType <PINReqTp> | [1..1] | CodeSet | | 665 |
| | PINVerificationMethod <PINVrfctnMtd> | [0..1] | Text | | 666 |
| | MaximumWaitingTime <MaxWtgTm> | [0..1] | Quantity | | 666 |
| | BeepKeyFlag <BeepKeyFlg> | [0..1] | Indicator | | 666 |
| | CardholderPIN <CrdhldrPIN> | [0..1] | | | 666 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 666 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 667 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 667 |

19.1.2.1.8.1 PINRequestType <PINReqTp>

Presence: [1..1]

Definition: Type of PIN Service.

Datatype: "PINRequestType1Code" on page 1056

| CodeName | Name | Definition |
|----------|----------------------------|--|
| PIAE | PINAcquisitionEncryption | The cardholder enters the PIN, the POI enciphers the PIN Block and provides it as a result to the Sale System. |
| PIAV | PINAcquisitionVerification | The Cardholder enters the PIN and the POI verifies it. |
| PIVO | PINVerifyOnly | The Sale System send a previous keyed PIN and the POI verifies it. |

19.1.2.1.8.2 PINVerificationMethod <PINVrfctnMtd>

Presence: [0..1]

Definition: Identify the PIN verification method and keys.

Datatype: ["Max35Text" on page 1088](#)

19.1.2.1.8.3 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Maximum time to wait for the request processing in seconds.

Datatype: ["Number" on page 1084](#)

19.1.2.1.8.4 BeepKeyFlag <BeepKeyFlg>

Presence: [0..1]

Definition: Indicates, when the user press a key, if a beep has to be generated.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.8.5 CardholderPIN <CrdhldrPIN>

Presence: [0..1]

Definition: Enciphered PIN and related information.

CardholderPIN <CrdhldrPIN> contains the following **OnLinePIN11** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|---------|-------------|------|
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 666 |
| | PINFormat <PINFmt> | [1..1] | CodeSet | | 667 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 667 |

19.1.2.1.8.5.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see "ContentInformationType40" on page 989 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.2.1.8.5.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 1055

| CodeName | Name | Definition |
|----------|------|--|
| ISO0 | ISO0 | PIN diversified with the card account number, conforming to the standard ISO 9564-2. |
| ISO1 | ISO1 | PIN completed with random padding characters, conforming to the standard ISO 9564-2. |
| ISO2 | ISO2 | PIN without diversification characters, conforming to the standard ISO 9564-2. |
| ISO3 | ISO3 | PIN diversified with the card account number and random characters, conforming to the standard ISO 9564-2. |
| ISO4 | ISO4 | PIN format used with AES encryption, conforming to the new ISO SC2 format. |
| ISO5 | ISO5 | Alternative PIN format used with AES encryption, conforming to the new ISO SC2 format. |

19.1.2.1.8.5.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 1088

19.1.2.1.9 InitialisationCardReaderRequest <InitIstnCardRdrReq>

Presence: [0..1]

Definition: A service to send parameters to Card Reader to initialize a new communication with a card.

InitialisationCardReaderRequest <InitIstnCardRdrReq> contains the following
DeviceInitialisationCardReaderRequest6 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------|--------|-----------|-------------|------|
| | WarmResetFlag <WarmRstFlg> | [0..1] | Indicator | | 668 |
| | ForceEntryMode <ForceNtryMd> | [0..*] | CodeSet | | 668 |
| | LeaveCardFlag <LeavCardFlg> | [0..1] | Indicator | | 669 |
| | MaximumWaitingTime <MaxWtgTm> | [0..1] | Quantity | | 669 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 669 |

19.1.2.1.9.1 WarmResetFlag <WarmRstFlg>

Presence: [0..1]

Definition: Flag to request a warm reset on a chip.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.2.1.9.2 ForceEntryMode <ForceNtryMd>

Presence: [0..*]

Definition: Payment instrument entry mode requested by the Sale System.

Datatype: "[CardDataReading8Code](#)" on page 1033

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |

| CodeName | Name | Definition |
|----------|-------------|--|
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

19.1.2.1.9.3 LeaveCardFlag <LeavCardFlg>

Presence: [0..1]

Definition: Flag to indicate the POI System to keep the card in the reader for a smart card.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- Meaning When True: True
- Meaning When False: False

19.1.2.1.9.4 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Maximum time in seconds that the POI has to wait for a card response.

Datatype: "[Number](#)" on page 1084

19.1.2.1.9.5 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Information to display.

DisplayOutput <DispOutpt> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrcd> | [0..1] | | | 865 |
| | BarcodeType <BrcdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrcdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCdBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCdVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCdNcodgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCdErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.2.1.10 CardReaderAPDUREquest <CardRdrAPDUREq>

Presence: [0..1]

Definition: Content of the APDU (Application Protocol Data Unit) to send to the Card.

CardReaderAPDUREquest <CardRdrAPDUREq> contains the following
DeviceSendApplicationProtocolDataUnitCardReaderRequest1 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | Class <Clss> | [1..1] | Binary | | 670 |
| | Instruction <Instr> | [1..1] | Binary | | 670 |
| | Parameter1 <Param1> | [1..1] | Binary | | 670 |
| | Parameter2 <Param2> | [1..1] | Binary | | 670 |
| | Data <Data> | [0..1] | Binary | | 670 |
| | ExpectedLength <XpctdLngth> | [0..1] | Binary | | 670 |

19.1.2.1.10.1 Class <Clss>

Presence: [1..1]

Definition: Class field of the Application Protocol Data Unit command (CLA).

Datatype: ["Min1Max256Binary" on page 1016](#)

19.1.2.1.10.2 Instruction <Instr>

Presence: [1..1]

Definition: Instruction field of the Application Protocol Data Unit command (INS).

Datatype: ["Min1Max256Binary" on page 1016](#)

19.1.2.1.10.3 Parameter1 <Param1>

Presence: [1..1]

Definition: Parameter 1 field of the Application Protocol Data Unit command

Datatype: ["Min1Max256Binary" on page 1016](#)

19.1.2.1.10.4 Parameter2 <Param2>

Presence: [1..1]

Definition: Parameter 2 field of the Application Protocol Data Unit command

Datatype: ["Min1Max256Binary" on page 1016](#)

19.1.2.1.10.5 Data <Data>

Presence: [0..1]

Definition: Data field of the Application Protocol Data Unit command to send including the length.

Datatype: ["Min1Max256Binary" on page 1016](#)

19.1.2.1.10.6 ExpectedLength <XpctdLngth>

Presence: [0..1]

Definition: Expected length of the data field of the Application Protocol Data Unit response to the command.

Datatype: ["Min1Max256Binary" on page 1016](#)

19.1.2.1.11 PowerOffCardReaderRequest <PwrOffCardRdrReq>

Presence: [0..1]

Definition: Content of the Power Off Card Reader Request message.

PowerOffCardReaderRequest <PwrOffCardRdrReq> contains the following
DevicePoweroffCardReaderRequest6 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | PowerOffMaximumWaitingTime <PwrOffMaxWtgTm> | [0..1] | Quantity | | 671 |
| | DisplayOutput <DispOutpt> | [0..1] | ± | | 671 |

19.1.2.1.11.1 PowerOffMaximumWaitingTime <PwrOffMaxWtgTm>

Presence: [0..1]

Definition: Maximum time to wait for the request processing in seconds.

Datatype: ["Number" on page 1084](#)

19.1.2.1.11.2 DisplayOutput <DispOutpt>

Presence: [0..1]

Definition: Optional message before Power-Off.

DisplayOutput <DispOutpt> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrctd> | [0..1] | | | 865 |
| | BarcodeType <BrctdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrctdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.2.1.12 TransmissionRequest <TrnsmsnReq>

Presence: [0..1]

Definition: Content of the Request message to transmit.

TransmissionRequest <TrnsmsnReq> contains the following **DeviceTransmitMessageRequest2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | DestinationAddress <DstnAdr> | [1..1] | ± | | 672 |
| | MaximumTransmissionTime <MaxTrnsmsnTm> | [1..1] | Quantity | | 673 |
| | MaximumWaitingTime <MaxWtgTm> | [0..1] | Quantity | | 673 |
| | MessageToSend <MsgToSnd> | [1..1] | Binary | | 673 |

19.1.2.1.12.1 DestinationAddress <DstnAdr>

Presence: [1..1]

Definition: Transport address.

DestinationAddress <DstnAdr> contains the following elements (see "[NetworkParameters7](#)" on page 937 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Address <Adr> | [1..*] | | | 938 |
| | NetworkType <NtwkTp> | [1..1] | CodeSet | | 938 |
| | AddressValue <AdrVal> | [1..1] | Text | | 938 |
| | UserName <UsrNm> | [0..1] | Text | | 938 |
| | AccessCode <AccsCd> | [0..1] | Binary | | 939 |
| | ServerCertificate <SvrCert> | [0..*] | Binary | | 939 |
| | ServerCertificateIdentifier <SvrCertldr> | [0..*] | Binary | | 939 |
| | ClientCertificate <ClntCert> | [0..*] | Binary | | 939 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 939 |

19.1.2.1.12.2 MaximumTransmissionTime <MaxTrnsmsnTm>

Presence: [1..1]

Definition: Maximum time in seconds of transmission.

Datatype: ["Number" on page 1084](#)

19.1.2.1.12.3 MaximumWaitingTime <MaxWtgTm>

Presence: [0..1]

Definition: Defines the timeout to receive an answer.

Datatype: ["Number" on page 1084](#)

19.1.2.1.12.4 MessageToSend <MsgToSnd>

Presence: [1..1]

Definition: Content of the message to be transmitted.

Datatype: ["Max100KBinary" on page 1014](#)

19.1.2.1.13 InputNotification <InptNtfctn>

Presence: [0..1]

Definition: Content of the Input notification message.

InputNotification <InptNtfctn> contains the following **DeviceInputNotification6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------|--------|------|-------------|------|
| | Exchangeldentification <XchgId> | [1..1] | Text | | 673 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 674 |

19.1.2.1.13.1 Exchangeldentification <XchgId>

Presence: [1..1]

Definition: Message main identifier.

Datatype: ["Max35Text" on page 1088](#)

19.1.2.1.13.2 OutputContent <OutptCntr>

Presence: [1..1]

Definition: Updated content of the message to display before input.

OutputContent <OutptCntr> contains the following elements (see ["ActionMessage11" on page 862](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrccd> | [0..1] | | | 865 |
| | BarcodeType <BrccdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrccdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.2.1.14 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: [C5 "SupplementaryDataRule"](#)

SupplementaryData <SplmtryData> contains the following elements (see ["SupplementaryData1" on page 763](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

19.1.2.2 DeviceResponse7

Definition: Provides the response of a previous device request.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Environment <Envt> | [0..1] | ± | | 677 |
| | Context <Cntxt> | [0..1] | ± | | 683 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 686 |
| | DisplayResponse <DispRspn> | [0..1] | | | 686 |
| | OutputResult <OutptRsIt> | [1..*] | | | 687 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 687 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 687 |
| | Response <Rspn> | [1..1] | ± | | 688 |
| | InputResponse <InptRspn> | [0..1] | | | 688 |
| | OutputResult <OutptRsIt> | [0..1] | | | 689 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 689 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 690 |
| | Response <Rspn> | [1..1] | ± | | 691 |
| | InputResult <InptRsIt> | [1..1] | | | 691 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 691 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 692 |
| | InputResultData <InptRsItData> | [1..1] | | | 692 |
| | InputCommand <InptCmd> | [1..1] | CodeSet | | 693 |
| | ConfirmedFlag <ConfdFlg> | [0..1] | Indicator | | 694 |
| | FunctionKey <FctnKey> | [0..1] | Quantity | | 694 |
| | InputMessage <InptMsg> | [0..1] | Text | | 694 |
| | Password <Pwd> | [0..1] | ± | | 694 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 695 |
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 695 |
| | ImageData <ImgData> | [0..1] | Binary | | 695 |
| | ImageReference <ImgRef> | [0..1] | Text | | 695 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 695 |
| | PrintResponse <PrtRspn> | [0..1] | | | 695 |
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 695 |
| | SecureInputResponse <ScrInptRspn> | [0..1] | | | 696 |
| | CardholderPIN <CrdhldrPIN> | [0..1] | | | 696 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 697 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 697 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 697 |
| | InitialisationCardReaderResponse <InitlStnCardRdrRspn> | [0..1] | | | 697 |
| | CardEntryMode <CardNtryMd> | [0..1] | CodeSet | | 698 |
| | ICCResetData <ICCRstData> | [0..1] | | | 698 |
| | ATRValue <ATRVal> | [0..1] | Binary | | 699 |
| | CardStatus <CardSts> | [0..1] | Binary | | 699 |
| | AdditionalInformation <AddtlInf> | [0..1] | Binary | | 699 |
| | CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn> | [0..1] | | | 699 |
| | Data <Data> | [0..1] | Binary | | 699 |
| | CardStatus <CardSts> | [1..1] | Binary | | 699 |
| | TransmissionResponse <TrnsmssnRspn> | [0..1] | | | 700 |
| | ReceivedMessage <RcvdMsg> | [0..1] | Binary | | 700 |
| | Response <Rspn> | [1..1] | ± | | 700 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 700 |

19.1.2.2.1 Environment <Envt>

Presence: [0..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following elements (see "CardPaymentEnvironment80" on page 806 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Cards> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LtyAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpgAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmpn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LityHdlg> | [0..1] | CodeSet | | 862 |

19.1.2.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Context in which the transaction is performed (payment and sale).

Context <Cntxt> contains the following elements (see "CardPaymentContext30" on page 887 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SpprtdOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | SplitPayment <SplPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|--------|-------------|------|
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

19.1.2.2.3 ServiceContent <SvcCntr>

Presence: [1..1]

Definition: Define the type of service answered.

Datatype: "RetailerService9Code" on page 1070

| CodeName | Name | Definition |
|----------|---|--|
| DDYP | DeviceDisplayResponse | One system responds to the other system for a display request. |
| DINP | DeviceInputResponse | One system responds to the other System for a input request. |
| DPRP | DevicePrintResponse | One system responds to the other System for a print request. |
| DSOP | DevicePlaySoundResponse | One system responds to the other System for a play sound request. |
| DSIP | DeviceSecureInputResponse | One system responds to the other System for secure data input. |
| DCIP | DeviceInitialisationCardReaderResponse | The POI system responds to the Sale System for a card reader initialisation. |
| DCAP | DeviceSendApplicationProtocolDataUnitCardReaderResponse | The POI system responds to the Sale System for a card reader Application Protocol Data Unit sending. |
| DCPP | DevicePowerOffCardRequestResponse | The POI system responds to the Sale System for a card reader power off. |
| DCOP | DeviceTransmissionMessageResponse | The POI system responds to the Sale System after a message transmission. |

19.1.2.2.4 DisplayResponse <DispRspn>

Presence: [0..1]

Definition: Content of the Display Response message.

DisplayResponse <DispRspn> contains the following DeviceDisplayResponse2 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|---------|-------------|------|
| | OutputResult <OutptRslt> | [1..*] | | | 687 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 687 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 687 |
| | Response <Rspn> | [1..1] | ± | | 688 |

19.1.2.2.4.1 OutputResult <OutptRslt>

Presence: [1..*]

Definition: Give result for display request.

OutputResult <OutptRslt> contains the following **OutputResult2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|---------|-------------|------|
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 687 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 687 |
| | Response <Rspn> | [1..1] | ± | | 688 |

19.1.2.2.4.1.1 DeviceType <DvcTp>

Presence: [1..1]

Definition: Logical device located on a Sale Terminal or a POI Terminal, in term of class of information to output.

Datatype: ["UserInterface4Code" on page 1081](#)

| CodeName | Name | Definition |
|----------|--------------------------|---|
| CDSP | CardholderDisplay | Cardholder display or interface. |
| CRCP | CardholderReceipt | Cardholder receipt. |
| MDSP | MerchantDisplay | Merchant display or interface. |
| MRCP | MerchantReceipt | Merchant receipt. |
| CRDO | OtherCardholderInterface | Other interface of the cardholder, for instance e-mail or smartphone message. |

19.1.2.2.4.1.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualification of the information to sent to an output logical device.

Datatype: ["InformationQualify1Code" on page 1045](#)

| CodeName | Name | Definition |
|----------|--------------------|--|
| CUSA | CustomerAssistance | Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer. |
| DISP | Display | Standard display interface. |
| DOCT | Document | When the POI System wants to print specific document (check, dynamic currency conversion ...). Used by the Sale System when the printer is not located on the Sale System. |
| ERRO | Error | The information is related to an error situation occurring on the message sender. |
| INPT | Input | Answer to a question or information to be entered by the Cashier or the |

| CodeName | Name | Definition |
|----------|----------------|--|
| | | Customer, at the request of the POI Terminal or the Sale Terminal. |
| POIR | POIReplication | Information displayed on the Cardholder POI interface, replicated on the Cashier interface. |
| RCPT | Receipt | Where you print the Payment receipt that could be located on the Sale System or in some cases a restricted Sale ticket on the POI Terminal. |
| SOND | Sound | Standard sound interface. |
| STAT | Status | The information is a new state on which the message sender is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer. |
| VCHR | Voucher | Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed. |

19.1.2.2.4.1.3 Response <Rspn>

Presence: [1..1]

Definition: Gives response for each peripheral.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 911 |

19.1.2.2.5 InputResponse <InptRspn>

Presence: [0..1]

Definition: Content of the Input Response message.

InputResponse <InptRspn> contains the following **DeviceInputResponse6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | OutputResult <OutptRsIt> | [0..1] | | | 689 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 689 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 690 |
| | Response <Rspn> | [1..1] | ± | | 691 |
| | InputResult <InptRsIt> | [1..1] | | | 691 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 691 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 692 |
| | InputResultData <InptRsItData> | [1..1] | | | 692 |
| | InputCommand <InptCmd> | [1..1] | CodeSet | | 693 |
| | ConfirmedFlag <ConfdFlg> | [0..1] | Indicator | | 694 |
| | FunctionKey <FctnKey> | [0..1] | Quantity | | 694 |
| | InputMessage <InptMsg> | [0..1] | Text | | 694 |
| | Password <Pwd> | [0..1] | ± | | 694 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 695 |
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 695 |
| | ImageData <ImgData> | [0..1] | Binary | | 695 |
| | ImageReference <ImgRef> | [0..1] | Text | | 695 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 695 |

19.1.2.2.5.1 OutputResult <OutptRsIt>

Presence: [0..1]

Definition: Result of display request.

OutputResult <OutptRsIt> contains the following **OutputResult2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|---------|-------------|------|
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 689 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 690 |
| | Response <Rspn> | [1..1] | ± | | 691 |

19.1.2.2.5.1.1 DeviceType <DvcTp>

Presence: [1..1]

Definition: Logical device located on a Sale Terminal or a POI Terminal, in term of class of information to output.

Datatype: ["UserInterface4Code"](#) on page 1081

| CodeName | Name | Definition |
|----------|--------------------------|---|
| CDSP | CardholderDisplay | Cardholder display or interface. |
| CRCP | CardholderReceipt | Cardholder receipt. |
| MDSP | MerchantDisplay | Merchant display or interface. |
| MRCP | MerchantReceipt | Merchant receipt. |
| CRDO | OtherCardholderInterface | Other interface of the cardholder, for instance e-mail or smartphone message. |

19.1.2.2.5.1.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualification of the information to sent to an output logical device.

Datatype: "InformationQualify1Code" on page 1045

| CodeName | Name | Definition |
|----------|--------------------|--|
| CUSA | CustomerAssistance | Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer. |
| DISP | Display | Standard display interface. |
| DOCT | Document | When the POI System wants to print specific document (check, dynamic currency conversion ...). Used by the Sale System when the printer is not located on the Sale System. |
| ERRO | Error | The information is related to an error situation occurring on the message sender. |
| INPT | Input | Answer to a question or information to be entered by the Cashier or the Customer, at the request of the POI Terminal or the Sale Terminal. |
| POIR | POIReplication | Information displayed on the Cardholder POI interface, replicated on the Cashier interface. |
| RCPT | Receipt | Where you print the Payment receipt that could be located on the Sale System or in some cases a restricted Sale ticket on the POI Terminal. |
| SOND | Sound | Standard sound interface. |
| STAT | Status | The information is a new state on which the message sender is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer. |
| VCHR | Voucher | Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed. |

19.1.2.2.5.1.3 Response <Rspn>

Presence: [1..1]

Definition: Gives response for each peripheral.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 911 |

19.1.2.2.5.2 InputResult <InptRslt>

Presence: [1..1]

Definition: Result of input request.

InputResult <InptRslt> contains the following **InputResult6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 691 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 692 |
| | InputResultData <InptRsltData> | [1..1] | | | 692 |
| | InputCommand <InptCmd> | [1..1] | CodeSet | | 693 |
| | ConfirmedFlag <ConfldFlg> | [0..1] | Indicator | | 694 |
| | FunctionKey <FctnKey> | [0..1] | Quantity | | 694 |
| | InputMessage <InptMsg> | [0..1] | Text | | 694 |
| | Password <Pwd> | [0..1] | ± | | 694 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 695 |
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 695 |
| | ImageData <ImgData> | [0..1] | Binary | | 695 |
| | ImageReference <ImgRef> | [0..1] | Text | | 695 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 695 |

19.1.2.2.5.2.1 DeviceType <DvcTp>

Presence: [1..1]

Definition: Type of Input device.

Datatype: "[SaleCapabilities2Code](#)" on page 1072

| CodeName | Name | Definition |
|----------|--------------|--|
| CHIN | CashierInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI |

| CodeName | Name | Definition |
|----------|---------------|--|
| | | System (InputCommand data element). The output device attached to this input device is the CashierDisplay device. |
| CUIN | CustomerInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). |

19.1.2.5.2.2 InformationQualifier <InfQlfr>

Presence: [1..1]

Definition: Qualifies the type of given information.

Datatype: "InformationQualify1Code" on page 1045

| CodeName | Name | Definition |
|----------|--------------------|--|
| CUSA | CustomerAssistance | Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer. |
| DISP | Display | Standard display interface. |
| DOCT | Document | When the POI System wants to print specific document (check, dynamic currency conversion ...). Used by the Sale System when the printer is not located on the Sale System. |
| ERRO | Error | The information is related to an error situation occurring on the message sender. |
| INPT | Input | Answer to a question or information to be entered by the Cashier or the Customer, at the request of the POI Terminal or the Sale Terminal. |
| POIR | POIReplication | Information displayed on the Cardholder POI interface, replicated on the Cashier interface. |
| RCPT | Receipt | Where you print the Payment receipt that could be located on the Sale System or in some cases a restricted Sale ticket on the POI Terminal. |
| SOND | Sound | Standard sound interface. |
| STAT | Status | The information is a new state on which the message sender is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer. |
| VCHR | Voucher | Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed. |

19.1.2.5.2.3 InputResultData <InptRsltData>

Presence: [1..1]

Definition: Data resulting of input after POI or Sale processing.

InputResultData <InptRsltData> contains the following **InputResultData6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | InputCommand <InptCmd> | [1..1] | CodeSet | | 693 |
| | ConfirmedFlag <ConfldFlg> | [0..1] | Indicator | | 694 |
| | FunctionKey <FctnKey> | [0..1] | Quantity | | 694 |
| | InputMessage <InptMsg> | [0..1] | Text | | 694 |
| | Password <Pwd> | [0..1] | ± | | 694 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 695 |
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 695 |
| | ImageData <ImgData> | [0..1] | Binary | | 695 |
| | ImageReference <ImgRef> | [0..1] | Text | | 695 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 695 |

19.1.2.2.5.2.3.1 InputCommand <InptCmd>

Presence: [1..1]

Definition: Type of processed input.

Datatype: ["InputCommand1Code" on page 1045](#)

| CodeName | Name | Definition |
|----------|-----------------|--|
| DCSG | DecimalString | Wait for a string of digit characters with a decimal point, the length range could be specified. |
| DGSG | DigitString | Wait for a string of digit characters. |
| GAKY | GetAnyKey | Wait for a key pressed on the Terminal, to be able to read the message displayed on the Terminal. |
| GCNF | GetConfirmation | Wait for a confirmation Yes (Y) or No (N) on the Sale System. Wait for a confirmation (Valid or Cancel button) on the POI Terminal. The result of the command is a Boolean: True or False. |
| GFKY | GetFunctionKey | Wait for a function key pressed on the Terminal: From POI, Valid, Clear, Correct, Generic Function key number. From Sale, Generic Function key. |
| GMNE | GetMenuEntry | To choose an entry among a list of entries (all of them are not necessarily selectable). The OutputFormat has to be MenuEntry. |
| PSWD | Password | Request to enter a password with masked characters while typing the password. |

| CodeName | Name | Definition |
|----------|-------------|---|
| SITE | SiteManager | Wait for a confirmation Yes (Y) or No (N) of the Site Manager on the Sale System. |
| TXSG | TextString | Wait for a string of alphanumeric characters. |
| HTML | XHTMLText | Wait for a XHTML data. |
| SIGN | Signature | Request to wait for signature. |

19.1.2.2.5.2.3.2 ConfirmedFlag <ConfdFlg>

Presence: [0..1]

Definition: Flag of notification of card to be entered in the POI card reader.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- Meaning When True: True
- Meaning When False: False

19.1.2.2.5.2.3.3 FunctionKey <FctnKey>

Presence: [0..1]

Definition: Specifies the number of the function key which is typed by the Customer on the POI system or the Cashier on the Sale System.

Datatype: ["Number"](#) on page 1084

19.1.2.2.5.2.3.4 InputMessage <InptMsg>

Presence: [0..1]

Definition: Specifies the input text and data given by the POI or the Sale System.

Datatype: ["Max20000Text"](#) on page 1087

19.1.2.2.5.2.3.5 Password <Pwd>

Presence: [0..1]

Definition: An enciphered password typed by the Customer on the POI system or the Cashier on the Sale system.

Password <Pwd> contains the following elements (see "["ContentInformationType39"](#) on page 992 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 992 |
| | EnvelopedData <EnvlpdData> | [0..1] | ± | | 992 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 994 |
| | SignedData <SgnldData> | [0..1] | ± | | 995 |
| | DigestedData <DgstdData> | [0..1] | ± | | 996 |

19.1.2.2.5.2.3.6 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 | | 695 |
| | ImageData <ImgData> | [0..1] | Binary | | 695 |
| | ImageReference <ImgRef> | [0..1] | Text | | 695 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 695 |

19.1.2.2.5.2.3.6.1 ImageFormat <ImgFrmt>

Presence: [1..1]

Definition: Format of the image.

Datatype: ["Max35Text" on page 1088](#)

19.1.2.2.5.2.3.6.2 ImageData <ImgData>

Presence: [0..1]

Definition: Data of the image.

Datatype: ["Max2MBBinary" on page 1015](#)

19.1.2.2.5.2.3.6.3 ImageReference <ImgRef>

Presence: [0..1]

Definition: URL or name of the image.

Datatype: ["Max500Text" on page 1089](#)

19.1.2.2.5.2.3.6.4 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information for the image.

Datatype: ["Max140Text" on page 1086](#)

19.1.2.2.6 PrintResponse <PrtRspn>

Presence: [0..1]

Definition: Content of the Print Response message.

PrintResponse <PrtRspn> contains the following **DevicePrintResponse1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 695 |

19.1.2.2.6.1 DocumentQualifier <DocQlfr>

Presence: [1..1]

Definition: Qualification of the document printed to the Cashier or the Customer.

Datatype: "DocumentType7Code" on page 1042

| CodeName | Name | Definition |
|----------|---------------------------|--|
| JNRL | Journal | When the POI or the Sale System wants to store a message on the journal printer or electronic journal of the Sale Terminal (it is sometimes a Sale Logging/Journal Printer). |
| CRCP | CustomerReceipt | When the Sale System requires the POI system to print the Customer receipt. |
| HRCP | CashierReceipt | When the Sale system print the Cashier copy of the Payment receipt. |
| SRCP | SaleReceipt | When the Sale System requires the POI system to print the Sale receipt. |
| RPIN | RelatedPaymentInstruction | Document is a linked payment instruction to which the current payment instruction is related, for example, in a cover scenario. |
| VCHR | Voucher | Document is an electronic payment document. |

19.1.2.2.7 SecureInputResponse <ScrInptRspn>

Presence: [0..1]

Definition: Response to a secure input request.

SecureInputResponse <ScrInptRspn> contains the following **DeviceSecureInputResponse6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|---------|-------------|------|
| | CardholderPIN <CrdhldrPIN> | [0..1] | | | 696 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 697 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 697 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 697 |

19.1.2.2.7.1 CardholderPIN <CrdhldrPIN>

Presence: [0..1]

Definition: Cardholder PIN data when needed.

CardholderPIN <CrdhldrPIN> contains the following **OnLinePIN11** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|---------|-------------|------|
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 697 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 697 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 697 |

19.1.2.2.7.1.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see "ContentInformationType40" on page 989 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.2.2.7.1.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 1055

| CodeName | Name | Definition |
|----------|------|--|
| ISO0 | ISO0 | PIN diversified with the card account number, conforming to the standard ISO 9564-2. |
| ISO1 | ISO1 | PIN completed with random padding characters, conforming to the standard ISO 9564-2. |
| ISO2 | ISO2 | PIN without diversification characters, conforming to the standard ISO 9564-2. |
| ISO3 | ISO3 | PIN diversified with the card account number and random characters, conforming to the standard ISO 9564-2. |
| ISO4 | ISO4 | PIN format used with AES encryption, conforming to the new ISO SC2 format. |
| ISO5 | ISO5 | Alternative PIN format used with AES encryption, conforming to the new ISO SC2 format. |

19.1.2.2.7.1.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 1088

19.1.2.2.8 InitialisationCardReaderResponse <InitlstnCardRdrRspn>

Presence: [0..1]

Definition: Content received after a card initialisation.

InitialisationCardReaderResponse <InitIstnCardRdrRspn> contains the following
DeviceInitialisationCardReaderResponse2 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|---------|-------------|------|
| | CardEntryMode <CardNtryMd> | [0..1] | CodeSet | | 698 |
| | ICCResetData <ICCRstData> | [0..1] | | | 698 |
| | ATRValue <ATRVal> | [0..1] | Binary | | 699 |
| | CardStatus <CardSts> | [0..1] | Binary | | 699 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Binary | | 699 |

19.1.2.2.8.1 CardEntryMode <CardNtryMd>

Presence: [0..1]

Definition: Payment instrument entry mode requested by the Sale System.

Datatype: ["CardDataReading8Code" on page 1033](#)

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

19.1.2.2.8.2 ICCResetData <ICCRstData>

Presence: [0..1]

Definition: Data of a Chip Card related to the reset of the chip.

ICCResetData <ICCRstData> contains the following **ICCResetData1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | ATRValue <ATRVal> | [0..1] | Binary | | 699 |
| | CardStatus <CardSts> | [0..1] | Binary | | 699 |

19.1.2.2.8.2.1 ATRValue <ATRVal>

Presence: [0..1]

Definition: Value of the Answer To Reset of a chip card.

Datatype: ["Max140Binary" on page 1014](#)

19.1.2.2.8.2.2 CardStatus <CardSts>

Presence: [0..1]

Definition: Status of a smartcard response to a command (SW1-SW2).

Datatype: ["Max35Binary" on page 1015](#)

19.1.2.2.8.3 AdditionalInformation <AddtlInft>

Presence: [0..1]

Definition: Additional information about the Device Initialisation Card Reader Response.

Datatype: ["Max10000Binary" on page 1014](#)

19.1.2.2.9 CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn>

Presence: [0..1]

Definition: Content of the Card Reader APDU (Application Protocol Data Unit) response message.

CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn> contains the following **DeviceSendApplicationProtocolDataUnitCardReaderResponse1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | Data <Data> | [0..1] | Binary | | 699 |
| | CardStatus <CardSts> | [1..1] | Binary | | 699 |

19.1.2.2.9.1 Data <Data>

Presence: [0..1]

Definition: Class field of the Application Protocol Data Unit command (CLA).

Datatype: ["Min1Max256Binary" on page 1016](#)

19.1.2.2.9.2 CardStatus <CardSts>

Presence: [1..1]

Definition: Status of a smartcard response to a command (SW1-SW2). Reference: ISO 7816-4.

Datatype: ["Min1Max256Binary" on page 1016](#)

19.1.2.2.10 TransmissionResponse <TrnsmssnRspn>

Presence: [0..1]

Definition: Content of the Transmit Response message.

TransmissionResponse <TrnsmssnRspn> contains the following
DeviceTransmitMessageResponse1 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------|--------|--------|-------------|------|
| | ReceivedMessage <RcvdMsg> | [0..1] | Binary | | 700 |

19.1.2.2.10.1 ReceivedMessage <RcvdMsg>

Presence: [0..1]

Definition: Content of a transmitted message.

Datatype: "Max100KBinary" on page 1014

19.1.2.2.11 Response <Rspn>

Presence: [1..1]

Definition: Result of the processing of the request.

Response <Rspn> contains the following elements (see "[ResponseType11](#)" on page 909 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 911 |

19.1.2.2.12 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information incorporated as an extension to the message.

Impacted by: C5 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 763 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

19.1.3 Address

19.1.3.1 CommunicationAddress⁹

Definition: Communication information.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|------|-------------|------|
| | PostalAddress <PstlAdr> | [0..1] | ± | | 701 |
| | Email <Email> | [0..1] | Text | | 701 |
| | URLAddress <URLAdr> | [0..1] | Text | | 702 |
| | Phone <Phne> | [0..1] | Text | | 702 |
| | CustomerService <CstmrSvc> | [0..1] | Text | | 702 |
| | AdditionalContactInformation <AddtlCtctlnf> | [0..1] | Text | | 702 |

19.1.3.1.1 PostalAddress <PstlAdr>

Presence: [0..1]

Definition: Postal address of the entity.

PostalAddress <PstlAdr> contains the following elements (see "[PostalAddress²²](#)" on page 939 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | AddressType <AdrTp> | [0..1] | CodeSet | | 940 |
| | Department <Dept> | [0..1] | Text | | 940 |
| | SubDepartment <SubDept> | [0..1] | Text | | 940 |
| | AddressLine <AdrLine> | [0..2] | Text | | 940 |
| | StreetName <StrtNm> | [0..1] | Text | | 941 |
| | BuildingNumber <BldgNb> | [0..1] | Text | | 941 |
| | PostCode <PstCd> | [0..1] | Text | | 941 |
| | TownName <TwnNm> | [0..1] | Text | | 941 |
| | CountrySubDivision <CtrySubDvsn> | [0..2] | Text | | 941 |
| | CountryCode <CtryCd> | [0..1] | Text | | 941 |

19.1.3.1.2 Email <Email>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: ["Max256Text" on page 1087](#)

19.1.3.1.3 URLAddress <URLAdr>

Presence: [0..1]

Definition: Address for the Universal Resource Locator (URL), for example used over the www (HTTP) service.

Datatype: ["Max256Text" on page 1087](#)

19.1.3.1.4 Phone <Phne>

Presence: [0..1]

Definition: Collection of information that identifies a phone number, as defined by telecom services.

Datatype: ["PhoneNumber" on page 1092](#)

19.1.3.1.5 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer service.

Datatype: ["PhoneNumber" on page 1092](#)

19.1.3.1.6 AdditionalContactInformation <AddtlCtctInfo>

Presence: [0..1]

Definition: Additional information used to facilitate contact with the card acceptor, for instance sales agent name, dispute manager name.

Datatype: ["Max256Text" on page 1087](#)

19.1.4 Amount

19.1.4.1 AmountAndDirection93

Definition: Signed amount.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 702 |
| | Currency <Ccy> | [1..1] | CodeSet | C1 | 703 |
| | Sign <Sgn> | [0..1] | Indicator | | 703 |

19.1.4.1.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.4.1.2 Currency <Ccy>

Presence: [1..1]

Definition: Currency associated with the transaction.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.4.1.3 Sign <Sgn>

Presence: [0..1]

Definition: Indicates that the amount value is positive or negative.

Datatype: One of the following values must be used (see "[PlusOrMinusIndicator](#)" on page 1083):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.4.2 InstalmentAmountDetails1

Definition: Instalment amount details

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Type <Tp> | [0..1] | CodeSet | | 703 |
| | OtherType <OthrTp> | [0..1] | Text | | 704 |
| | SubType <SubTp> | [0..1] | Text | | 704 |
| | Amount <Amt> | [0..1] | ± | | 704 |
| | Percentage <Pctg> | [0..1] | Rate | | 704 |

19.1.4.2.1 Type <Tp>

Presence: [0..1]

Definition: Grace period unit type.

Datatype: "[InstalmentAmountDetailsType1Code](#)" on page 1046

| CodeName | Name | Definition |
|----------|---------------|------------------------|
| TAXX | Tax | Instalment amount tax |
| RQST | Requested | Requested amount |
| OTHP | OtherPrivate | Grace period unit type |
| OTHN | OtherNational | Grace period unit type |

| CodeName | Name | Definition |
|----------|---------------------|---------------------------------|
| OTHC | OtherCharges | Other amounts |
| INSU | Insurance | Insurance amount |
| FUNA | Funded | Funded amount |
| FEES | Fees | Fees amount |
| EXPN | Expense | Expense Amount |
| AFCO | AnnualFinancingCost | Total financing cost per annum. |

19.1.4.2.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Grace period other unit type.

Datatype: "Max35Text" on page 1088

19.1.4.2.3 SubType <SubTp>

Presence: [0..1]

Definition: Grace period sub type.

Datatype: "Max35Text" on page 1088

19.1.4.2.4 Amount <Amt>

Presence: [0..1]

Definition: Detailed instalment amount.

Amount <Amt> contains the following elements (see ["Amount5" on page 704](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 705 |
| | Sign <Sgn> | [0..1] | Indicator | | 705 |

19.1.4.2.5 Percentage <Pctg>

Presence: [0..1]

Definition: Rate expressed as a percentage, that is, in hundredths, example, 0.7 is 7/10 of a percent, and 7.0 is 7%.

Datatype: "PercentageRate" on page 1085

19.1.4.3 Amount5

Definition: Signed amount in a given numeric currency

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 705 |
| | Sign <Sgn> | [0..1] | Indicator | | 705 |

19.1.4.3.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.4.3.2 Sign <Sgn>

Presence: [0..1]

Definition: Sign of the amount.

Datatype: One of the following values must be used (see ["PlusOrMinusIndicator" on page 1083](#)):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.4.4 DetailedAmount15

Definition: Detailed amounts associated with the total amount of transaction.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | AmountGoodsAndServices <AmtGoodsAndSvcs> | [0..1] | Amount | | 705 |
| | CashBack <CshBck> | [0..1] | Amount | | 705 |
| | Gratuity <Grtty> | [0..1] | Amount | | 705 |
| | Fees <Fees> | [0..*] | ± | | 706 |
| | Rebate <Rbt> | [0..*] | ± | | 706 |
| | ValueAddedTax <ValAddedTax> | [0..*] | ± | | 706 |
| | Surcharge <Srchrg> | [0..*] | ± | | 706 |

19.1.4.4.1 AmountGoodsAndServices <AmtGoodsAndSvcs>

Presence: [0..1]

Definition: Amount of purchase goods and services without tax.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.4.4.2 CashBack <CshBck>

Presence: [0..1]

Definition: Cash-back amount.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.4.4.3 Gratuity <Grtty>

Presence: [0..1]

Definition: Gratuity amount.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.4.4.4 Fees <Fees>

Presence: [0..*]

Definition: Fees amount.

Fees <Fees> contains the following elements (see "[DetailedAmount4](#)" on page 707 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 707 |
| | Label <Labl> | [0..1] | Text | | 707 |

19.1.4.4.5 Rebate <Rbt>

Presence: [0..*]

Definition: Global rebate of the transaction. This amount is counted as a negative amount.

Rebate <Rbt> contains the following elements (see "[DetailedAmount4](#)" on page 707 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 707 |
| | Label <Labl> | [0..1] | Text | | 707 |

19.1.4.4.6 ValueAddedTax <ValAddedTax>

Presence: [0..*]

Definition: Value added tax amount.

ValueAddedTax <ValAddedTax> contains the following elements (see "[DetailedAmount4](#)" on page 707 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 707 |
| | Label <Labl> | [0..1] | Text | | 707 |

19.1.4.4.7 Surcharge <Srchrg>

Presence: [0..*]

Definition: Additional charge paid by the cardholder. For example airline credit card surcharge.

Surcharge <Srchrg> contains the following elements (see "[DetailedAmount4](#)" on page 707 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 707 |
| | Label <Labl> | [0..1] | Text | | 707 |

19.1.4.5 DetailedAmount4

Definition: Detailed amounts associated with the total amount of transaction.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 707 |
| | Label <Labl> | [0..1] | Text | | 707 |

19.1.4.5.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.4.5.2 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: ["Max140Text" on page 1086](#)

19.1.5 Card Transaction

19.1.5.1 GracePeriod1

Definition: Grace period applicable to an instalment plan.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | Time <Tm> | [1..1] | Text | | 707 |
| | UnitType <UnitTp> | [1..1] | CodeSet | | 707 |
| | OtherUnitType <OthrUnitTp> | [0..1] | Text | | 708 |

19.1.5.1.1 Time <Tm>

Presence: [1..1]

Definition: Grace period time relative to the grace period unit type.

Datatype: ["Max3NumericText" on page 1088](#)

19.1.5.1.2 UnitType <UnitTp>

Presence: [1..1]

Definition: Grace period unit type.

Datatype: ["GracePeriodUnitType1Code" on page 1044](#)

| CodeName | Name | Definition |
|----------|----------|------------------------|
| WEKS | Weeks | Grace period weeks. |
| PMTS | Payments | Grace period payments. |

| CodeName | Name | Definition |
|----------|---------------|------------------------------|
| OTHP | OtherPrivate | Other Private Grace period. |
| OTHN | OtherNational | Other National Grace period. |
| MNTH | Months | Grace period months. |
| DAYS | Days | Grace period days. |

19.1.5.1.3 OtherUnitType <OthrUnitTp>

Presence: [0..1]

Definition: Grace period other unit type.

Datatype: ["Max35Text" on page 1088](#)

19.1.5.2 CardPaymentTransaction136

Definition: Data associated with the transaction for a potential currency conversion.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | TransactionCapture <TxCaptr> | [0..1] | Indicator | | 713 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 713 |
| | AdditionalService <AddtlSvc> | [0..*] | CodeSet | | 714 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 714 |
| | LastTransactionFlag <LastTxFlg> | [0..1] | Indicator | | 715 |
| | MerchantCategoryCode <MrchntCtgyCd> | [0..1] | Text | | 715 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 715 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 715 |
| | OriginalTransaction <OrgnTx> | [0..1] | | | 716 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 718 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 718 |
| | POIIdentification <POId> | [1..1] | ± | | 718 |
| | CurrencyConversion <CcyConvs> | [0..1] | | | 718 |
| | Result <Rslt> | [1..1] | CodeSet | | 721 |
| | ResultReason <RsltRsn> | [0..1] | Text | | 721 |
| | ConversionDetails <ConvsDtls> | [0..*] | | | 721 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 723 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 723 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <Dcm> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 724 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 724 |
| | InvertedExchangeRate <NvrtXchgRate> | [0..1] | Rate | | 724 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 724 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 724 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 724 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 724 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Decimal <DcmI> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |
| | ApplicableBinRange <AplblBnRg> | [0..*] | | | 725 |
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 726 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 727 |
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 727 |
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | DeclarationDetails <DclrtnDtls> | [0..*] | ± | | 727 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 728 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 728 |
| | IssuerCITIdentification <IssrCITId> | [0..1] | Text | | 728 |
| | MerchantCITIdentification <MrchntCITId> | [0..1] | Text | | 728 |
| | TransactionDetails <TxDtls> | [1..1] | | | 729 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 732 |
| | TotalAmount <TtlAmt> | [1..1] | Amount | | 732 |
| | CumulativeAmount <CmltvAmt> | [0..1] | Amount | | 732 |
| | AmountQualifier <AmtQlfr> | [0..1] | CodeSet | | 732 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 732 |
| | RequestedAmount <ReqdAmt> | [0..1] | Amount | | 733 |
| | AuthorisedAmount <AuthrsdAmt> | [0..1] | Amount | | 733 |
| | InvoiceAmount <InvcAmt> | [0..1] | Amount | | 733 |
| | ValidityDate <VldtyDt> | [0..1] | Date | | 733 |
| | OnLineReason <OnLineRsn> | [0..*] | CodeSet | | 733 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UnattendedLevelCategory <UattnddLvlCtgy> | [0..1] | Text | | 734 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 734 |
| | CurrencyConversionResult <CcyConvsRslt> | [0..1] | | | 735 |
| | AcceptedByCardholder <AccptdByCrdhldr> | [0..1] | Indicator | | 737 |
| | Conversion <Convs> | [0..1] | | | 737 |
| | CurrencyConversionIdentification <CcyConvslD> | [0..1] | Text | | 739 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 739 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <DcmI> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 740 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 740 |
| | InvertedExchangeRate <NvrtDxchgRate> | [0..1] | Rate | | 740 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 740 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 740 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 740 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 740 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <DcmI> | [0..1] | Quantity | | 741 |
| | Name <Nm> | [0..1] | Text | | 741 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 741 |
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 742 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 743 |
| | Amount <Amt> | [1..1] | Amount | | 743 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 743 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 743 |
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 743 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 743 |
| | Instalment <Instlmt> | [0..*] | ± | | 744 |
| | Recurring <Rcrng> | [0..1] | ± | | 745 |
| | AggregationTransaction <AggtnTx> | [0..1] | ± | | 746 |
| | ProductCodeSetIdentification <PdctCdSetId> | [0..1] | Text | | 746 |
| | SaleItem <Saleitm> | [0..*] | ± | | 746 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 747 |
| | ReSubmissionCounter <ReSubmissnCntr> | [0..1] | Quantity | | 747 |
| | CompletionSequenceNumber <CmpltnSeqNb> | [0..1] | Quantity | | 747 |
| | CompletionSequenceCounter <CmpltnSeqCntr> | [0..1] | Quantity | | 747 |
| | TotalAuthorisedAmount <TtlAuthrsdAmt> | [0..1] | Amount | | 748 |
| | AdditionalInformation <AddtlInfr> | [0..*] | | | 748 |
| | Identification <Id> | [1..1] | Text | | 748 |
| | Value <Val> | [0..1] | Binary | | 748 |
| | ProtectedValue <PrctdVal> | [0..1] | ± | | 748 |
| | Type <Tp> | [0..1] | Text | | 749 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 749 |
| | AuthorisationResult <AuthstnRslt> | [0..1] | | | 749 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 749 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 750 |
| | Response <Rspn> | [1..1] | CodeSet | | 750 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 750 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 751 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 751 |
| | MerchantReferenceData <MrchntRefData> | [0..1] | Text | | 751 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 751 |
| | CustomerToken <CstmrTkn> | [0..1] | ± | | 751 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CustomerConsent <CstmrCnsnt> | [0..1] | Indicator | | 752 |
| | CardProgrammeProposed <CardPrgrmmPropsd> | [0..*] | Text | | 752 |
| | CardProgrammeApplied <CardPrgrmmApld> | [0..1] | Text | | 752 |
| | SaleToPOIData <SaleToPOIData> | [0..1] | Text | | 752 |
| | SaleToAcquirerData <SaleToAcqrrData> | [0..1] | Text | | 753 |
| | SaleToIssuerData <SaleTolssrData> | [0..1] | Text | | 753 |
| | AdditionalTransactionData <AddtlTxData> | [0..*] | Text | | 753 |

19.1.5.2.1 TransactionCapture <TxCaptr>

Presence: [0..1]

Definition: Flag indicating whether the transaction data must be captured or not in addition to the message process.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- Meaning When True: True
- Meaning When False: False

19.1.5.2.2 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction being undertaken for the main service.

Datatype: "[CardPaymentServiceType5Code](#)" on page 1037

| CodeName | Name | Definition |
|----------|-----------------------|--|
| BALC | Balance | Balance enquiry. |
| CACT | CardActivation | Card activation. |
| CRDP | CardPayment | Card payment. |
| CAFH | CardsFundTransferPush | Transfer of funds to a card or an account. |
| CAVR | CardVerification | Card verification. |
| CSHW | CashAdvance | Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter. |
| CSHD | CashDeposit | Cash deposit. |
| DEFR | DeferredPayment | Deferred payment. |
| LOAD | Loading | Loading or reloading non-financial account. |
| ORCR | OriginalCredit | Original credit. |
| PINC | PINChange | PIN (Personal Identification Number) change. |

| CodeName | Name | Definition |
|----------|-----------------------|--|
| QUCH | QuasiCash | Quasi-cash. |
| RFND | Refund | Refund transaction. |
| RESA | Reservation | Reservation (pre-authorisation). |
| VALC | ValidityCheck | Card validity check. |
| UNLD | Unloading | Unloading non-financial account. |
| CAFT | CardsFundTransfer | Transfer of funds to and/or from a card account. |
| CAFL | CardsFundTransferPull | Transfer of funds from a card or an account. |

19.1.5.2.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Service in addition to the main service.

Datatype: ["CardPaymentServiceType9Code" on page 1037](#)

| CodeName | Name | Definition |
|----------|-------------------------|---|
| AGGR | Aggregation | Aggregation of low payments. |
| DCCV | DCC | Dynamic currency conversion (DCC). |
| GRTT | Gratuity | Card payment with gratuity. |
| LOYT | Loyalty | Loyalty services. |
| NRES | NoShow | No show after reservation. |
| PUCO | PurchaseCorporate | Purchase and corporate data. |
| RECP | RecurringPayment | Recurring payment. |
| SOAF | SolicitedAvailableFunds | Solicited available funds. |
| VCAU | VoiceAuthorisation | Voice authorisation. |
| INSI | IssuerInstalment | Instalment payment transaction performed by the card issuer. |
| INSA | AcceptorInstalment | Instalment payment transaction performed by the acceptor or the acquirer. |
| CSHB | CashBack | Card payment with cash-back. |
| INST | Instant | Instant transaction. |
| NRFD | NonRefundable | Payment of goods or services which are not refundable, for instance low cost airline tickets. |

19.1.5.2.4 ServiceAttribute <SvcAttr>

Presence: [0..1]

Definition: Additional attribute of the service type.

Datatype: ["CardPaymentServiceType14Code" on page 1036](#)

| CodeName | Name | Definition |
|----------|--------------------|---|
| IRES | InitialReservation | Initial reservation. |
| URES | UpdateReservation | Update reservation. |
| PRES | PaymentReservation | Payment after reservation. |
| ARES | AdditionalPayment | Additional payment after reservation. |
| FREC | FirstRecurring | Initial recurring payment. |
| RREC | FollowingRecurring | Repeat recurring payment. |
| GOPT | GuaranteeOfPayment | Acceptor claims for guarantee of payment. |

19.1.5.2.5 LastTransactionFlag <LastTxFlg>

Presence: [0..1]

Definition: Flag indicating processing of the last transaction.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.5.2.6 MerchantCategoryCode <MrchntCtgyCd>

Presence: [0..1]

Definition: Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

Datatype: "[Min3Max4Text](#)" on page 1091

19.1.5.2.7 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

Definition: Global reference of the sale transaction for the sale system.

Datatype: "[Max35Text](#)" on page 1088

19.1.5.2.8 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the initiator of the request. For instance refers to POITransactionIdentification if used inside an authorisation request or to SaleTransactionIdentification if the message is a payment request initiated by a sale system.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

19.1.5.2.9 OriginalTransaction <OrgnITx>

Presence: [0..1]

Definition: Identification of the original transaction.

OriginalTransaction <OrgnlTx> contains the following **CardPaymentTransaction131** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 718 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 718 |
| | POIIdentification <POIId> | [1..1] | ± | | 718 |
| | CurrencyConversion <CcyConvs> | [0..1] | | | 718 |
| | Result <Rslt> | [1..1] | CodeSet | | 721 |
| | ResultReason <RsltRsn> | [0..1] | Text | | 721 |
| | ConversionDetails <ConvsDtls> | [0..*] | | | 721 |
| | CurrencyConversionIdentification <CcyConvslId> | [0..1] | Text | | 723 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 723 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <Dcm1> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 724 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 724 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 724 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 724 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 724 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 724 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 724 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |
| | Decimal <Dcm1> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |
| | ApplicableBinRange <ApplBlBinRg> | [0..*] | | | 725 |
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 726 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|--------|-------------|------|
| | CommissionDetails <ComssnDtls> | [0..*] | | | 727 |
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 727 |
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | DeclarationDetails <DecltnDtls> | [0..*] | ± | | 727 |

19.1.5.2.9.1 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

Definition: Global reference of the sale transaction for the sale system.

Datatype: "Max35Text" on page 1088

19.1.5.2.9.2 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Unique identification of the transaction assigned by the POI (Point Of Interaction).

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentifier1](#)" on page 931 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

19.1.5.2.9.3 POIIdentification <POId>

Presence: [1..1]

Definition: Identification of the POI (Point Of Interaction) performing the transaction.

POIIdentification <POId> contains the following elements (see "[GenericIdentification32](#)" on page 753 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 753 |
| | Type <Tp> | [0..1] | CodeSet | | 753 |
| | Issuer <Issr> | [0..1] | CodeSet | | 754 |
| | ShortName <ShrtNm> | [0..1] | Text | | 754 |

19.1.5.2.9.4 CurrencyConversion <CcyConv>

Presence: [0..1]

Definition: Link to a previous currency conversion.

CurrencyConversion <CcyConvs> contains the following **CurrencyConversion31** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | Result <Rslt> | [1..1] | CodeSet | | 721 |
| | ResultReason <RsltRsn> | [0..1] | Text | | 721 |
| | ConversionDetails <ConvdsDtls> | [0..*] | | | 721 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 723 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 723 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <DcmI> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |
| | ResultingAmount <RsItgAmt> | [0..1] | Amount | | 724 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 724 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 724 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 724 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 724 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 724 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 724 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |
| | Decimal <DcmI> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 725 |
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 726 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 727 |
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 727 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 727 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|------|-------------|------|
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInfo> | [0..1] | Text | | 727 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 727 |

19.1.5.2.9.4.1 Result <RsIt>

Presence: [1..1]

Definition: Result of a requested currency conversion.

Datatype: ["CurrencyConversionResponse3Code" on page 1040](#)

| CodeName | Name | Definition |
|----------|-----------------|--|
| ODCC | Allowed | Dynamic currency conversion may be offered to the cardholder. |
| DCCA | Assumed | Transaction authorised with dynamic currency conversion. |
| ICRD | InvalidCard | The card is not valid for dynamic currency conversion. |
| IMER | InvalidMerchant | The card acceptor has not been recognised. |
| IPRD | InvalidProduct | Dynamic currency conversion service cannot be offered for this card product. |
| IRAT | NoRate | Exchange rates are not available. |
| NDCC | NotAvailable | Dynamic currency conversion is not available for other reason. |
| REST | Restriction | Conversion accepted for the requested amount exclusively. |
| CATG | Catalogue | Conversion accepted for a range of amounts. |

19.1.5.2.9.4.2 ResultReason <RsItRsn>

Presence: [0..1]

Definition: Plain text explaining the result of the currency conversion request.

Datatype: ["Max35Text" on page 1088](#)

19.1.5.2.9.4.3 ConversionDetails <ConvnsDtls>

Presence: [0..*]

Definition: Information about the conversion of currency.

ConversionDetails <ConvsDtls> contains the following **CurrencyConversion29** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 723 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 723 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <DcmI> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 724 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 724 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 724 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 724 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 724 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 724 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 724 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |
| | Decimal <DcmI> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 725 |
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 726 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 727 |
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 727 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 727 |
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 727 |
| | DeclarationDetails <DclrtnDtls> | [0..*] | ± | | 727 |

19.1.5.2.9.4.3.1 CurrencyConversionIdentification <CcyConvId>

Presence: [0..1]

Definition: Identification of the currency conversion operation for the service provider.

Datatype: "Max35Text" on page 1088

19.1.5.2.9.4.3.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

Definition: Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).

TargetCurrency <TrgtCcy> contains the following **CurrencyDetails3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <DcmI> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |

19.1.5.2.9.4.3.2.1 AlphaCode <AlphaCd>

Presence: [1..1]

Definition: Alpha currency code (ISO 4217, 3 alphanumeric characters).

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.5.2.9.4.3.2.2 NumericCode <NmrcCd>

Presence: [1..1]

Definition: Numeric currency code (ISO 4217, 3 numeric characters).

Datatype: "Exact3NumericText" on page 1085

19.1.5.2.9.4.3.2.3 Decimal <DcmI>

Presence: [1..1]

Definition: Maximal number of digits after the decimal separator for the currency.

Datatype: "Number" on page 1084

19.1.5.2.9.4.3.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1088

19.1.5.2.9.4.3.3 ResultingAmount <RsltgAmt>

Presence: [0..1]

Definition: Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.9.4.3.4 ExchangeRate <XchgRate>

Presence: [1..1]

Definition: Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

Datatype: "PercentageRate" on page 1085

19.1.5.2.9.4.3.5 InvertedExchangeRate <NvrtdXchgRate>

Presence: [0..1]

Definition: Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

Datatype: "PercentageRate" on page 1085

19.1.5.2.9.4.3.6 QuotationDate <QtnDt>

Presence: [0..1]

Definition: Date and time at which the exchange rate has been quoted.

Datatype: "ISODateTime" on page 1081

19.1.5.2.9.4.3.7 ValidFrom <VldFr>

Presence: [0..1]

Definition: Specifies when the currency conversion could start.

Datatype: "ISODateTime" on page 1081

19.1.5.2.9.4.3.8 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 1081

19.1.5.2.9.4.3.9 SourceCurrency <SrcCcy>

Presence: [1..1]

Definition: Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

SourceCurrency <SrcCcy> contains the following **CurrencyDetails2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |
| | Decimal <DcmI> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |

19.1.5.2.9.4.3.9.1 AlphaCode <AlphaCd>

Presence: [0..1]

Definition: Alpha currency code (ISO 4217, 3 alphanumeric characters).

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.5.2.9.4.3.9.2 NumericCode <NmrcCd>

Presence: [0..1]

Definition: Numeric currency code (ISO 4217, 3 numeric characters).

Datatype: "Exact3NumericText" on page 1085

19.1.5.2.9.4.3.9.3 Decimal <DcmI>

Presence: [0..1]

Definition: Maximal number of digits after the decimal separator for the currency.

Datatype: "Number" on page 1084

19.1.5.2.9.4.3.9.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1088

19.1.5.2.9.4.3.10 ApplicableBinRange <AplblBinRg>

Presence: [0..*]

Definition: Range of Bin for which the conversion is possible.

ApplicableBinRange <ApplBlBinRg> contains the following **BinRange1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |

19.1.5.2.9.4.3.10.1 LowerBin <LwrBin>

Presence: [1..1]

Definition: Lower value of BIN in the range.

Datatype: ["Max15NumericText" on page 1086](#)

19.1.5.2.9.4.3.10.2 HigherBin <HghrBin>

Presence: [1..1]

Definition: Higher value of BIN in the range.

Datatype: ["Max15NumericText" on page 1086](#)

19.1.5.2.9.4.3.11 OriginalAmount <OrgnlAmt>

Presence: [0..1]

Definition: Original amount in the source currency.

OriginalAmount <OrgnlAmt> contains the following **OriginalAmountDetails1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |

19.1.5.2.9.4.3.11.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.5.2.9.4.3.11.2 MinimumAmount <MinAmt>

Presence: [0..1]

Definition: Minimum amount for conversion (in case of range of amounts).

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.5.2.9.4.3.11.3 MaximumAmount <MaxAmt>

Presence: [0..1]

Definition: Maximum amount for conversion (in case of range of amounts).

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.5.2.9.4.3.12 CommissionDetails <ComssnDtls>

Presence: [0..*]

Definition: Commission or additional charges made as part of a currency conversion.

CommissionDetails <ComssnDtls> contains the following **Commission19** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|--------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 727 |

19.1.5.2.9.4.3.12.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.5.2.9.4.3.12.2 AdditionalInformation <AddtlInft>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: ["Max350Text" on page 1088](#)

19.1.5.2.9.4.3.13 MarkUpDetails <MrkUpDtls>

Presence: [0..*]

Definition: Markup made as part of a currency conversion.

MarkUpDetails <MrkUpDtls> contains the following **Commission18** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|------|-------------|------|
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 727 |

19.1.5.2.9.4.3.13.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: ["PercentageRate" on page 1085](#)

19.1.5.2.9.4.3.13.2 AdditionalInformation <AddtlInft>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: ["Max350Text" on page 1088](#)

19.1.5.2.9.4.3.14 DeclarationDetails <DclRtnDtls>

Presence: [0..*]

Definition: Card scheme declaration (disclaimer) to present to the cardholder.

DeclarationDetails <DclRtnDtls> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrccd> | [0..1] | | | 865 |
| | BarcodeType <BrccdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrccdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.5.2.10 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Unique identification of the Acquirer/Acceptor reconciliation period.

Datatype: "[Max35Text](#)" on page 1088

19.1.5.2.11 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Identification of the transaction given by the Issuer.

Datatype: "[Max140Text](#)" on page 1086

19.1.5.2.12 IssuerCITIdentification <IssrCITId>

Presence: [0..1]

Definition: Identification, given by the Issuer, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

Datatype: "[Max140Text](#)" on page 1086

19.1.5.2.13 MerchantCITIdentification <MrchntCITId>

Presence: [0..1]

Definition: Identification, given by the merchant, of the transaction processed with the cardholder that legitimates this merchant initiated transaction.

Datatype: ["Max140Text" on page 1086](#)

19.1.5.2.14 TransactionDetails <TxDtls>

Presence: [1..1]

Definition: Details of the transaction.

TransactionDetails <TxDtls> contains the following **CardPaymentTransactionDetails53** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 732 |
| | TotalAmount <TtlAmt> | [1..1] | Amount | | 732 |
| | CumulativeAmount <CmltvAmt> | [0..1] | Amount | | 732 |
| | AmountQualifier <AmtQlfr> | [0..1] | CodeSet | | 732 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 732 |
| | RequestedAmount <ReqdAmt> | [0..1] | Amount | | 733 |
| | AuthorisedAmount <AuthrsdAmt> | [0..1] | Amount | | 733 |
| | InvoiceAmount <InvcAmt> | [0..1] | Amount | | 733 |
| | ValidityDate <VldtyDt> | [0..1] | Date | | 733 |
| | OnLineReason <OnLineRsn> | [0..*] | CodeSet | | 733 |
| | UnattendedLevelCategory <UattnndLvlCtgy> | [0..1] | Text | | 734 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 734 |
| | CurrencyConversionResult <CcyConvsRslt> | [0..1] | | | 735 |
| | AcceptedByCardholder <AccptdByCrdhldr> | [0..1] | Indicator | | 737 |
| | Conversion <Convs> | [0..1] | | | 737 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 739 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 739 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <DcmI> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 740 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 740 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 740 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 740 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 740 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 740 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 740 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <DcmI> | [0..1] | Quantity | | 741 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 741 |
| | ApplicableBinRange <ApplBlBinRg> | [0..*] | | | 741 |
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 742 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 743 |
| | Amount <Amt> | [1..1] | Amount | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 743 |
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | DeclarationDetails <DclrtnDtls> | [0..*] | ± | | 743 |
| | Instalment <Instlmt> | [0..*] | ± | | 744 |
| | Recurring <Rcrng> | [0..1] | ± | | 745 |
| | AggregationTransaction <AggtnTx> | [0..1] | ± | | 746 |
| | ProductCodeSetIdentification <PdctCdSetId> | [0..1] | Text | | 746 |
| | SaleItem <SaleItm> | [0..*] | ± | | 746 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 747 |
| | ReSubmissionCounter <ReSubmissnCntr> | [0..1] | Quantity | | 747 |
| | CompletionSequenceNumber <CmpltnSeqNb> | [0..1] | Quantity | | 747 |
| | CompletionSequenceCounter <CmpltnSeqCntr> | [0..1] | Quantity | | 747 |
| | TotalAuthorisedAmount <TtlAuthrsdAmt> | [0..1] | Amount | | 748 |
| | AdditionalInformation <AddtlInf> | [0..*] | | | 748 |
| | Identification <Id> | [1..1] | Text | | 748 |
| | Value <Val> | [0..1] | Binary | | 748 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 748 |
| | Type <Tp> | [0..1] | Text | | 749 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 749 |

19.1.5.2.14.1 Currency <Ccy>

Presence: [0..1]

Definition: Currency associated with the transaction.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.5.2.14.2 TotalAmount <TtlAmt>

Presence: [1..1]

Definition: Total amount of the transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.3 CumulativeAmount <CmltvAmt>

Presence: [0..1]

Definition: Contains the updated amount of all authorisations related to the same business transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.4 AmountQualifier <AmtQlfr>

Presence: [0..1]

Definition: Qualifies the amount associated with the transaction.

Datatype: "TypeOfAmount8Code" on page 1078

| CodeName | Name | Definition |
|----------|-------------|--|
| ACTL | Actual | Actual amount. |
| ESTM | Estimated | Estimated amount (the final amount could be above or below). |
| MAXI | Maximum | Maximum amount (the final amount must be less or equal). |
| DFLT | Default | Default amount. |
| RPLT | Replacement | Replacement amount. |
| INCR | Incremental | Incremental amount for reservation. |
| DECR | Decremental | Decremental amount for reservation. |
| RESD | Reserved | Reserved or updated reserved amount for reservation. |

19.1.5.2.14.5 DetailedAmount <DtldAmt>

Presence: [0..1]

Definition: Detailed amounts associated with the total amount of transaction.

DetailedAmount <DtldAmt> contains the following elements (see "[DetailedAmount15](#)" on page 705 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|--------|-------------|------|
| | AmountGoodsAndServices <AmtGoodsAndSvcs> | [0..1] | Amount | | 705 |
| | CashBack <CshBck> | [0..1] | Amount | | 705 |
| | Gratuity <Grtty> | [0..1] | Amount | | 705 |
| | Fees <Fees> | [0..*] | ± | | 706 |
| | Rebate <Rbt> | [0..*] | ± | | 706 |
| | ValueAddedTax <ValAddedTax> | [0..*] | ± | | 706 |
| | Surcharge <Srchrg> | [0..*] | ± | | 706 |

19.1.5.2.14.6 RequestedAmount <ReqdAmt>

Presence: [0..1]

Definition: Amount requested to be authorised.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

19.1.5.2.14.7 AuthorisedAmount <AuthrsdAmt>

Presence: [0..1]

Definition: Amount authorised for the payment transaction.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

19.1.5.2.14.8 InvoiceAmount <InvcAmt>

Presence: [0..1]

Definition: Amount of the transaction that will be invoiced to the cardholder.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

19.1.5.2.14.9 ValidityDate <VldtyDt>

Presence: [0..1]

Definition: Transaction authorisation deadline to complete the related payment.

Datatype: "[ISODate](#)" on page 1081

19.1.5.2.14.10 OnLineReason <OnLineRsn>

Presence: [0..*]

Definition: Reason to process an online authorisation.

Datatype: "[OnLineReason2Code](#)" on page 1051

| CodeName | Name | Definition |
|----------|-----------------|--|
| RNDM | RandomSelection | Transaction random selection to go online. |

| CodeName | Name | Definition |
|----------|------------------------|---|
| ICCF | ICCFForced | Payment application in the Integrated Circuit Card forces to go on-line. |
| MERF | MerchantForced | On line forced by card acceptor. |
| TRMF | TerminalForced | Terminal random selection to go online. |
| ISSF | IssuerForced | On line forced by card issuer. |
| FRLT | FloorLimit | Over floor limit. |
| EXFL | ExceptionFile | Card appears on terminal exception file. |
| TAMT | TotalAmount | Total amount of purchases per cardholder and per application above floor limit. |
| CBIN | ControlledBIN | Bank Identification Number under control. |
| UBIN | UnknownBIN | Unknown Bank Identification Number. |
| CPAN | ControlledPAN | Primary account number (card number) under control. |
| FLOW | FlowControl | Flow control. |
| CRCY | UnavailableCurrency | Unknown currency code or foreign currency. |
| IFPR | IssuerForcedPINRequest | Request Cardholder Authentication through PIN insertion |

19.1.5.2.14.11 UnattendedLevelCategory <UattnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended POI (Point Of Interaction).

Datatype: ["Max35NumericText" on page 1088](#)

19.1.5.2.14.12 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: ["CardAccountType3Code" on page 1032](#)

| CodeName | Name | Definition |
|----------|----------------------|--|
| CTDP | CertificateOfDeposit | Certificate of deposit saving account. |
| CHCK | Checking | Checking account. |
| CRDT | CreditCard | Credit card account. |
| CURR | Current | Current account. |
| CDBT | DebitCard | Debit card account. |
| DFLT | Default | Default account. |
| EPRS | EpurseCard | Electronic purse card account. |
| HEQL | HomeEquityLoan | Home equity loan credit account. |
| ISTL | InstalmentLoan | Instalment loan credit account. |

| CodeName | Name | Definition |
|-----------------|----------------------|---|
| INVS | Investment | Investment account. |
| LCDT | LineOfCredit | Line of credit account. |
| MBNW | MobilePhoneAccount | Mobile Station Integrated Services Digital Network Number (MSISDN). |
| MNMK | MoneyMarket | Money market saving account. |
| MNMC | MoneyMarketChecking | Money market checking account. |
| MTGL | MortgageLoan | Mortgage loan credit account. |
| RTRM | RetirementAccount | Retirement account. |
| RVLV | RevolvingLoanAccount | Revolving loan account. |
| SVNG | Savings | Savings account. |
| STBD | StockOrBond | Stock or bond investment account. |
| UVRL | Universal | Universal account. |
| PRPD | PrePaid | Pre-paid account. |
| FLTC | FleetCard | Fleet card account. |

19.1.5.2.14.13 CurrencyConversionResult <CcyConvsRslt>

Presence: [0..1]

Definition: Result of the currency conversion proposed to the cardholder.

CurrencyConversionResult <CcyConvsRslt> contains the following **CurrencyConversion30** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | AcceptedByCardholder <AccptdByCrdhldr> | [0..1] | Indicator | | 737 |
| | Conversion <Convs> | [0..1] | | | 737 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 739 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 739 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <DcmI> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |
| | ResultingAmount <RsItgAmt> | [0..1] | Amount | | 740 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 740 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 740 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 740 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 740 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 740 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 740 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <DcmI> | [0..1] | Quantity | | 741 |
| | Name <Nm> | [0..1] | Text | | 741 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 741 |
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 742 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 743 |
| | Amount <Amt> | [1..1] | Amount | | 743 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 743 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 743 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|------|-------------|------|
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 743 |
| | DeclarationDetails <DecltnDtls> | [0..*] | ± | | 743 |

19.1.5.2.14.13.1 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 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.5.2.14.13.2 Conversion <Convrs>

Presence: [0..1]

Definition: Conversion between the currency of a card acceptor and the currency of a cardholder, provided by a dedicated service provider.

Conversion <Convs> contains the following **CurrencyConversion29** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | CurrencyConversionIdentification <CcyConvId> | [0..1] | Text | | 739 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 739 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <DcmI> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 740 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 740 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 740 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 740 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 740 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 740 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 740 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <DcmI> | [0..1] | Quantity | | 741 |
| | Name <Nm> | [0..1] | Text | | 741 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 741 |
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 742 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 743 |
| | Amount <Amt> | [1..1] | Amount | | 743 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 743 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 743 |
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 743 |
| | DeclarationDetails <DclrtnDtls> | [0..*] | ± | | 743 |

19.1.5.2.14.13.2.1 CurrencyConversionIdentification <CcyConvId>

Presence: [0..1]

Definition: Identification of the currency conversion operation for the service provider.

Datatype: "Max35Text" on page 1088

19.1.5.2.14.13.2.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

Definition: Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).

TargetCurrency <TrgtCcy> contains the following **CurrencyDetails3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <DcmI> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |

19.1.5.2.14.13.2.2.1 AlphaCode <AlphaCd>

Presence: [1..1]

Definition: Alpha currency code (ISO 4217, 3 alphanumeric characters).

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.5.2.14.13.2.2.2 NumericCode <NmrcCd>

Presence: [1..1]

Definition: Numeric currency code (ISO 4217, 3 numeric characters).

Datatype: "Exact3NumericText" on page 1085

19.1.5.2.14.13.2.2.3 Decimal <DcmI>

Presence: [1..1]

Definition: Maximal number of digits after the decimal separator for the currency.

Datatype: "Number" on page 1084

19.1.5.2.14.13.2.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1088

19.1.5.2.14.13.2.3 ResultingAmount <RsltgAmt>

Presence: [0..1]

Definition: Amount converted in the target currency, including additional charges.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.5.2.14.13.2.4 ExchangeRate <XchgRate>

Presence: [1..1]

Definition: Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

Datatype: "PercentageRate" on page 1085

19.1.5.2.14.13.2.5 InvertedExchangeRate <NvrtdXchgRate>

Presence: [0..1]

Definition: Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

Datatype: "PercentageRate" on page 1085

19.1.5.2.14.13.2.6 QuotationDate <QtnDt>

Presence: [0..1]

Definition: Date and time at which the exchange rate has been quoted.

Datatype: "ISODateTime" on page 1081

19.1.5.2.14.13.2.7 ValidFrom <VldFr>

Presence: [0..1]

Definition: Specifies when the currency conversion could start.

Datatype: "ISODateTime" on page 1081

19.1.5.2.14.13.2.8 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 1081

19.1.5.2.14.13.2.9 SourceCurrency <SrcCcy>

Presence: [1..1]

Definition: Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

SourceCurrency <SrcCcy> contains the following **CurrencyDetails2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <DcmI> | [0..1] | Quantity | | 741 |
| | Name <Nm> | [0..1] | Text | | 741 |

19.1.5.2.14.13.2.9.1 AlphaCode <AlphaCd>

Presence: [0..1]

Definition: Alpha currency code (ISO 4217, 3 alphanumeric characters).

Impacted by: C1 "ActiveCurrency"

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.5.2.14.13.2.9.2 NumericCode <NmrcCd>

Presence: [0..1]

Definition: Numeric currency code (ISO 4217, 3 numeric characters).

Datatype: ["Exact3NumericText" on page 1085](#)

19.1.5.2.14.13.2.9.3 Decimal <DcmI>

Presence: [0..1]

Definition: Maximal number of digits after the decimal separator for the currency.

Datatype: ["Number" on page 1084](#)

19.1.5.2.14.13.2.9.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: ["Max35Text" on page 1088](#)

19.1.5.2.14.13.2.10 ApplicableBinRange <ApplBnRg>

Presence: [0..*]

Definition: Range of Bin for which the conversion is possible.

ApplicableBinRange <ApplBlBinRg> contains the following **BinRange1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |

19.1.5.2.14.13.2.10.1 LowerBin <LwrBin>

Presence: [1..1]

Definition: Lower value of BIN in the range.

Datatype: ["Max15NumericText" on page 1086](#)

19.1.5.2.14.13.2.10.2 HigherBin <HghrBin>

Presence: [1..1]

Definition: Higher value of BIN in the range.

Datatype: ["Max15NumericText" on page 1086](#)

19.1.5.2.14.13.2.11 OriginalAmount <OrgnIAmt>

Presence: [0..1]

Definition: Original amount in the source currency.

OriginalAmount <OrgnIAmt> contains the following **OriginalAmountDetails1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |

19.1.5.2.14.13.2.11.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.5.2.14.13.2.11.2 MinimumAmount <MinAmt>

Presence: [0..1]

Definition: Minimum amount for conversion (in case of range of amounts).

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.5.2.14.13.2.11.3 MaximumAmount <MaxAmt>

Presence: [0..1]

Definition: Maximum amount for conversion (in case of range of amounts).

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.5.2.14.13.2.12 CommissionDetails <ComssnDtls>

Presence: [0..*]

Definition: Commission or additional charges made as part of a currency conversion.

CommissionDetails <ComssnDtls> contains the following **Commission19** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|--------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 743 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 743 |

19.1.5.2.14.13.2.12.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.5.2.14.13.2.12.2 AdditionalInformation <AddtlInft>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: ["Max350Text" on page 1088](#)

19.1.5.2.14.13.2.13 MarkUpDetails <MrkUpDtls>

Presence: [0..*]

Definition: Markup made as part of a currency conversion.

MarkUpDetails <MrkUpDtls> contains the following **Commission18** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|------|-------------|------|
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 743 |

19.1.5.2.14.13.2.13.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: ["PercentageRate" on page 1085](#)

19.1.5.2.14.13.2.13.2 AdditionalInformation <AddtlInft>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: ["Max350Text" on page 1088](#)

19.1.5.2.14.13.2.14 DeclarationDetails <DclrtnDtls>

Presence: [0..*]

Definition: Card scheme declaration (disclaimer) to present to the cardholder.

DeclarationDetails <DclRtnDtls> contains the following elements (see "[ActionMessage11](#)" on [page 862](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrCd> | [0..1] | | | 865 |
| | BarcodeType <BrCdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrCdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.5.2.14.14 Instalment <Instlmt>

Presence: [0..*]

Definition: Data related to a financial loan (instalment).

Instalment <Instlmt> contains the following elements (see "Instalment5" on page 799 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|----------|-------------|------|
| | InstalmentPlan <InstlmtPlan> | [0..*] | CodeSet | | 799 |
| | PlanIdentification <PlanId> | [0..1] | Text | | 800 |
| | PlanOwner <PlanOwnr> | [0..1] | CodeSet | | 800 |
| | SequenceNumber <SeqNb> | [0..1] | Quantity | | 800 |
| | PeriodUnit <PrdUnit> | [0..1] | CodeSet | | 800 |
| | InstalmentPeriod <InstlmtPrd> | [0..1] | Quantity | | 801 |
| | TotalNumberOfPayments <TtlNbOfPmts> | [0..1] | Quantity | | 801 |
| | FirstPaymentDate <FrstPmtDt> | [0..1] | Date | | 801 |
| | TotalAmount <TtlAmt> | [0..1] | Amount | C1, C4 | 801 |
| | FirstAmount <FrstAmt> | [0..1] | Amount | | 801 |
| | SubsequentAmount <SbsqntAmt> | [0..1] | Amount | | 802 |
| | LastAmount <LastAmt> | [0..1] | Amount | | 802 |
| | Charges <Chrgs> | [0..1] | Amount | | 802 |
| | DetailedCharges <DtlChrgs> | [0..*] | ± | | 802 |
| | InterestRate <IntrstRate> | [0..*] | | | 802 |
| | Type <Tp> | [0..1] | CodeSet | | 803 |
| | OtherType <OthrTp> | [0..1] | Text | | 803 |
| | Period <Prd> | [1..1] | CodeSet | | 803 |
| | Rate <Rate> | [1..1] | Rate | | 803 |
| | GracePeriod <GracePrd> | [0..*] | ± | | 803 |
| | PlanNotice <PlanNtce> | [0..*] | ± | | 804 |

19.1.5.2.14.15 Recurring <Rcrng>

Presence: [0..1]

Definition: Data related to a recurring transaction.

Recurring <Rcrng> contains the following elements (see "[RecurringTransaction6](#)" on page 797 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|----------|-------------|------|
| | PlanIdentification <PlanId> | [0..1] | Text | | 797 |
| | SequenceNumber <SeqNb> | [0..1] | Quantity | | 797 |
| | PeriodUnit <PrdUnit> | [0..1] | CodeSet | | 797 |
| | GracePeriod <GracePrd> | [0..*] | ± | | 798 |
| | PlanNotice <PlanNtce> | [0..*] | ± | | 798 |

19.1.5.2.14.16 AggregationTransaction <AggtnTx>

Presence: [0..1]

Definition: Payment transaction with an aggregated amount.

AggregationTransaction <AggtnTx> contains the following elements (see "[AggregationTransaction3](#)" on page 918 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|----------|-------------|------|
| | FirstPaymentDateTime <FrstPmtDtTm> | [0..1] | DateTime | | 918 |
| | LastPaymentDateTime <LastPmtDtTm> | [0..1] | DateTime | | 919 |
| | NumberOfPayments <NbOfPmts> | [0..1] | Quantity | | 919 |
| | IndividualPayment <IndvPmt> | [0..*] | | | 919 |
| | Amount <Amt> | [1..1] | Amount | | 919 |
| | DateTime <DtTm> | [1..1] | DateTime | | 919 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 919 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 920 |
| | Label <Labl> | [0..1] | Text | | 920 |

19.1.5.2.14.17 ProductCodeSetIdentification <PdctCdSetId>

Presence: [0..1]

Definition: Codification used to identify the products.

Datatype: "[Max10Text](#)" on page 1086

19.1.5.2.14.18 SaleItem <SaleItm>

Presence: [0..*]

Definition: Item purchased with the transaction.

SaleItem <SaleItm> contains the following elements (see "Product6" on page 920 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | ItemIdentification <ItmId> | [0..1] | Text | | 921 |
| | ProductCode <PdctCd> | [1..1] | Text | | 921 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 921 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 921 |
| | ProductQuantity <PdctQty> | [0..1] | Quantity | | 923 |
| | UnitPrice <UnitPric> | [0..1] | Amount | | 923 |
| | UnitPriceSign <UnitPricSgn> | [0..1] | Indicator | | 923 |
| | ProductAmount <PdctAmt> | [1..1] | Amount | | 924 |
| | ProductAmountSign <PdctAmtSgn> | [0..1] | Indicator | | 924 |
| | ValueAddedTax <ValAddedTax> | [0..1] | Amount | | 924 |
| | TaxType <TaxTp> | [0..1] | Text | | 924 |
| | ProductDescription <PdctDesc> | [0..1] | Text | | 924 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 924 |
| | DeliveryService <DlvrySvc> | [0..1] | CodeSet | | 924 |
| | SaleChannel <SaleChnl> | [0..1] | Text | | 925 |
| | AdditionalProductDescription <AddtlPdctDesc> | [0..1] | Text | | 925 |

19.1.5.2.14.19 DeliveryLocation <DlvryLctn>

Presence: [0..1]

Definition: Location of the delivery, for instance pump number or parking bay.

Datatype: "Max35Text" on page 1088

19.1.5.2.14.20 ReSubmissionCounter <ReSubmissnCntr>

Presence: [0..1]

Definition: In case a message is sent after the consumption of goods or service, it indicates the number of times the authorisation has been sent to the Acquirer in order to get an approval.

Datatype: "PositiveNumber" on page 1084

19.1.5.2.14.21 CompletionSequenceNumber <CmpltnSeqNb>

Presence: [0..1]

Definition: Total Number of Completion related to the authorisation of this transaction.

Datatype: "PositiveNumber" on page 1084

19.1.5.2.14.22 CompletionSequenceCounter <CmpltnSeqCntr>

Presence: [0..1]

Definition: Identification in the Sequence of the Completion related to the authorisation of this transaction.

Datatype: ["PositiveNumber" on page 1084](#)

19.1.5.2.14.23 TotalAuthorisedAmount <TtlAuthrsdAmt>

Presence: [0..1]

Definition: Total Amount authorised for the payment transaction when a sequence of completion is used.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.5.2.14.24 AdditionalInformation <AddtlInft>

Presence: [0..*]

Definition: Additional information related to the transaction like an Invoice or IndustryData (for example hospitality, lodging, transportation).

AdditionalInformation <AddtlInft> contains the following **ExternallyDefinedData5** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|--------|-------------|------|
| | Identification </Id> | [1..1] | Text | | 748 |
| | Value <Val> | [0..1] | Binary | | 748 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 748 |
| | Type <Tp> | [0..1] | Text | | 749 |

19.1.5.2.14.24.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: ["Max1025Text" on page 1085](#)

19.1.5.2.14.24.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: ["Max100KBinary" on page 1014](#)

19.1.5.2.14.24.3 ProtectedValue <PrtctdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrtctdVal> contains the following elements (see "[ContentInformationType39](#)" on page 992 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 992 |
| | EnvelopedData <EnvlpdData> | [0..1] | ± | | 992 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 994 |
| | SignedData <SgndData> | [0..1] | ± | | 995 |
| | DigestedData <DgstdData> | [0..1] | ± | | 996 |

19.1.5.2.14.24.4 Type <Tp>

Presence: [0..1]

Definition: Identification of the standard used to encode the values to exchange.

Datatype: ["Max1025Text" on page 1085](#)

19.1.5.2.14.25 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application.

Datatype: ["Max10000Binary" on page 1014](#)

19.1.5.2.15 AuthorisationResult <AuthstnRsIt>

Presence: [0..1]

Definition: Outcome of the authorisation request.

AuthorisationResult <AuthstnRsIt> contains the following **AuthorisationResult18** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AuthorisationEntity <AuthstnNtty> | [0..1] | ± | | 749 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 750 |
| | Response <Rspn> | [1..1] | CodeSet | | 750 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 750 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 751 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 751 |

19.1.5.2.15.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

AuthorisationEntity <AuthstnNtty> contains the following elements (see "[GenericIdentification90](#)" on page [761](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Identification </d> | [0..1] | Text | | 761 |
| | Type <Tp> | [1..1] | CodeSet | | 761 |
| | Issuer </ssr> | [0..1] | CodeSet | | 761 |
| | Country <Ctry> | [0..1] | Text | | 762 |
| | ShortName <ShrtNm> | [0..1] | Text | | 762 |

19.1.5.2.15.2 ResponseToAuthorisation <RspnToAuthstn>

Presence: [1..1]

Definition: Response to an authorisation request.

ResponseToAuthorisation <RspnToAuthstn> contains the following **ResponseType10** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 750 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 750 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 751 |

19.1.5.2.15.2.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the transaction.

Datatype: "[Response9Code](#)" on page [1062](#)

| CodeName | Name | Definition |
|----------|-----------------|---|
| APPR | Approved | Service has been successfully provided. |
| DECL | Declined | Service is declined. |
| PART | PartialApproved | Service has been partially provided. |
| SUSP | Suspended | Transaction has been received but hasn't been processed. |
| TECH | TechnicalError | Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem). |

19.1.5.2.15.2.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detailed result of the transaction.

Datatype: "[Max35Text](#)" on page [1088](#)

19.1.5.2.15.2.3 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information on the response for further examination.

Datatype: ["Max140Text" on page 1086](#)

19.1.5.2.15.3 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: ["Max8Text" on page 1090](#)

19.1.5.2.16 MerchantReferenceData <MrchntRefData>

Presence: [0..1]

Definition: Merchant information that must be returned unchanged in the response.

Datatype: ["Max70Text" on page 1090](#)

19.1.5.2.17 CustomerOrder <CstmrOrdr>

Presence: [0..1]

Definition: Customer Order processing data.

CustomerOrder <CstmrOrdr> contains the following elements (see ["CustomerOrder1" on page 912](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | CustomerOrderIdentification <CstmrOrdrId> | [1..1] | Text | | 912 |
| | SaleReferenceIdentification <SaleRefId> | [1..1] | Text | | 912 |
| | OpenOrderState <OpnOrdrStat> | [0..1] | Indicator | | 913 |
| | StartDate <StartDt> | [1..1] | DateTime | | 913 |
| | EndDate <EndDt> | [0..1] | DateTime | | 913 |
| | Unit <Unit> | [0..1] | CodeSet | | 913 |
| | ForecastedAmount <FrcstdAmt> | [1..1] | Amount | | 913 |
| | CurrentAmount <CurAmt> | [0..1] | Amount | | 913 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 913 |
| | AccessedBy <AccsdBy> | [0..1] | Text | | 914 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 914 |

19.1.5.2.18 CustomerToken <CstmrTkn>

Presence: [0..1]

Definition: Customer payment token information.

CustomerToken <CstmrTkn> contains the following elements (see "[CardPaymentToken5](#)" on page 1011 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | Token <Tkn> | [0..1] | Text | | 1011 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 1011 |
| | TokenExpiryDate <TknXpryDt> | [0..1] | Text | | 1011 |
| | TokenCharacteristic <TknChrtc> | [0..*] | Text | | 1012 |
| | TokenRequestor <TknRqstr> | [0..1] | | | 1012 |
| | ProviderIdentification <PrvdrId> | [1..1] | Text | | 1012 |
| | RequestorIdentification <RqstrId> | [1..1] | Text | | 1012 |
| | TokenAssuranceLevel <TknAssrncLvl> | [0..1] | Quantity | | 1012 |
| | TokenAssuranceData <TknAssrncData> | [0..1] | Binary | | 1012 |
| | TokenAssuranceMethod <TknAssrncMtd> | [0..1] | Text | | 1012 |
| | TokenInitiatedIndicator <TknInittdInd> | [0..1] | Indicator | | 1013 |

19.1.5.2.19 CustomerConsent <CstmrCnsnt>

Presence: [0..1]

Definition: Indicates if the customer has explicitly validated a choice.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.5.2.20 CardProgrammeProposed <CardPrgrmmPropsd>

Presence: [0..*]

Definition: Specifies the card program proposed by a retailer to a cardholder among a series of payment programmes offered by the retailer.

Datatype: "[Max35Text](#)" on page 1088

19.1.5.2.21 CardProgrammeApplied <CardPrgrmmApId>

Presence: [0..1]

Definition: Specifies the card program actually selected by the cardholder among the ones supported by the retailer and/or the one actually proposed to him.

Datatype: "[Max35Text](#)" on page 1088

19.1.5.2.22 SaleToPOIData <SaleToPOIData>

Presence: [0..1]

Definition: Specifies element that the sale system wants to store in the POI system.

Datatype: "[Max70Text](#)" on page 1090

19.1.5.2.23 SaleToAcquirerData <SaleToAcqrrData>

Presence: [0..1]

Definition: Sale information intended for the Acquirer.

Datatype: "Max70Text" on page 1090

19.1.5.2.24 SaleToIssuerData <SaleTolssrData>

Presence: [0..1]

Definition: Sale information intended for the Issuer.

Datatype: "Max70Text" on page 1090

19.1.5.2.25 AdditionalTransactionData <AddtlTxData>

Presence: [0..*]

Definition: Additional information related to the transaction.

Datatype: "Max70Text" on page 1090

19.1.6 Identification Information

19.1.6.1 GenericIdentification32

Definition: Identification of an entity.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 753 |
| | Type </Tp> | [0..1] | CodeSet | | 753 |
| | Issuer </ssr> | [0..1] | CodeSet | | 754 |
| | ShortName </ShrtNm> | [0..1] | Text | | 754 |

19.1.6.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.1.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType3Code" on page 1054

| CodeName | Name | Definition |
|----------|----------------|---|
| OPOI | OriginatingPOI | Point Of Interaction initiating the card payment transaction. |
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |

| CodeName | Name | Definition |
|----------|-------------------|--|
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |
| DLIS | DelegateIssuer | Party to whom the card issuer delegates to authorise card payment transactions. |

19.1.6.1.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType4Code" on page 1054

| CodeName | Name | Definition |
|----------|-------------------|--|
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |
| TAXH | TaxAuthority | Tax authority. |

19.1.6.1.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.2 GenericIdentification177

Definition: Identification of an entity.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Identification < <i>Id</i> > | [1..1] | Text | | 755 |
| | Type < <i>Tp</i> > | [0..1] | CodeSet | | 755 |
| | Issuer < <i>Issr</i> > | [0..1] | CodeSet | | 756 |
| | Country < <i>Ctry</i> > | [0..1] | Text | | 756 |
| | ShortName < <i>ShrtNm</i> > | [0..1] | Text | | 756 |
| | RemoteAccess < <i>RmotAccs</i> > | [0..1] | ± | | 757 |
| | Geolocation < <i>Glctn</i> > | [0..1] | | | 757 |
| | GeographicCoordinates < <i>GeogcCordints</i> > | [0..1] | | | 757 |
| | Latitude < <i>Lat</i> > | [1..1] | Text | | 758 |
| | Longitude < <i>Long</i> > | [1..1] | Text | | 758 |
| | UTMCordinates < <i>UTMCordints</i> > | [0..1] | | | 758 |
| | UTMZone < <i>UTMZone</i> > | [1..1] | Text | | 758 |
| | UTMEastward < <i>UTMEstwrd</i> > | [1..1] | Text | | 758 |
| | UTMNorthward < <i>UTMNrthwrd</i> > | [1..1] | Text | | 759 |

19.1.6.2.1 Identification <*Id*>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.2.2 Type <*Tp*>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType33Code" on page 1053

| CodeName | Name | Definition |
|----------|-------------------|--|
| OPOI | OriginatingPOI | Point Of Interaction initiating the card payment transaction. |
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |

| CodeName | Name | Definition |
|----------|-----------------------|---|
| DLIS | Delegatelssuer | Party to whom the card issuer delegates to authorise card payment transactions. |
| MTMG | MasterTerminalManager | Responsible for the maintenance of a card payment acceptance terminal. |
| TAXH | TaxAuthority | Tax authority. |
| TMGT | TerminalManager | Responsible for one or several maintenance functions of a card payment acceptance terminal. |

19.1.6.2.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType33Code" on page 1053

| CodeName | Name | Definition |
|----------|-----------------------|---|
| OPOI | OriginatingPOI | Point Of Interaction initiating the card payment transaction. |
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | Cardlssuer | Party that issues cards. |
| DLIS | Delegatelssuer | Party to whom the card issuer delegates to authorise card payment transactions. |
| MTMG | MasterTerminalManager | Responsible for the maintenance of a card payment acceptance terminal. |
| TAXH | TaxAuthority | Tax authority. |
| TMGT | TerminalManager | Responsible for one or several maintenance functions of a card payment acceptance terminal. |

19.1.6.2.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 1091

19.1.6.2.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.2.6 RemoteAccess <RmotAccs>

Presence: [0..1]

Definition: Access information to reach the target host.

RemoteAccess <RmotAccs> contains the following elements (see "[NetworkParameters7](#)" on page 937 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Address <Adr> | [1..*] | | | 938 |
| | NetworkType <NtwkTp> | [1..1] | CodeSet | | 938 |
| | AddressValue <AdrVal> | [1..1] | Text | | 938 |
| | UserName <UsrNm> | [0..1] | Text | | 938 |
| | AccessCode <AccsCd> | [0..1] | Binary | | 939 |
| | ServerCertificate <SvrCert> | [0..*] | Binary | | 939 |
| | ServerCertificateIdentifier <SvrCertIdr> | [0..*] | Binary | | 939 |
| | ClientCertificate <ClntCert> | [0..*] | Binary | | 939 |
| | SecurityProfile <ScyPrfl> | [0..1] | Text | | 939 |

19.1.6.2.7 Geolocation <Glctn>

Presence: [0..1]

Definition: Location of the entity.

Geolocation <Glctn> contains the following **Geolocation1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|------|-------------|------|
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

19.1.6.2.7.1 GeographicCoordinates <GeogcCordints>

Presence: [0..1]

Definition: Geographic location specified by geographic coordinates.

GeographicCoordinates <GeogcCordints> contains the following
GeolocationGeographicCoordinates1 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |

19.1.6.2.7.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Angular distance of a location on the earth south or north of the equator.

The latitude is measured in degrees, minutes and seconds, following by "N" for the north and "S" for the south of the equator. For example: 48°51'29" N the Eiffel Tower latitude.

Datatype: ["Max35Text" on page 1088](#)

19.1.6.2.7.1.2 Longitude <Long>

Presence: [1..1]

Definition: Angular measurement of the distance of a location on the earth east or west of the Greenwich observatory.

The longitude is measured in degrees, minutes and seconds, following by "E" for the east and "W" for the west. For example: 23°27'30" E.

Datatype: ["Max35Text" on page 1088](#)

19.1.6.2.7.2 UTMCoordinates <UTMCordints>

Presence: [0..1]

Definition: Geographic location specified by UTM coordinates.

UTMCoordinates <UTMCordints> contains the following **GeolocationUTMCoordinates1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------|--------|------|-------------|------|
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

19.1.6.2.7.2.1 UTMZone <UTMZone>

Presence: [1..1]

Definition: UTM grid zone combination of the longitude zone (1 to 60) and the latitude band (C to X, excluding I and O).

Datatype: ["Max35Text" on page 1088](#)

19.1.6.2.7.2.2 UTMEastward <UTMEstwrd>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator

coordinate system.

Datatype: "Max35Text" on page 1088

19.1.6.2.7.2.3 UTMNorthward <UTMNrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator

coordinate system.

Datatype: "Max35Text" on page 1088

19.1.6.3 GenericIdentification176

Definition: Identification of an entity.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 759 |
| | Type <Tp> | [0..1] | CodeSet | | 759 |
| | Issuer </ssr> | [0..1] | CodeSet | | 760 |
| | Country <Ctry> | [0..1] | Text | | 760 |
| | ShortName <ShrtNm> | [0..1] | Text | | 760 |

19.1.6.3.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.3.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType33Code" on page 1053

| CodeName | Name | Definition |
|----------|-------------------|--|
| OPOI | OriginatingPOI | Point Of Interaction initiating the card payment transaction. |
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |

| CodeName | Name | Definition |
|----------|-----------------------|---|
| DLIS | Delegatelssuer | Party to whom the card issuer delegates to authorise card payment transactions. |
| MTMG | MasterTerminalManager | Responsible for the maintenance of a card payment acceptance terminal. |
| TAXH | TaxAuthority | Tax authority. |
| TMGT | TerminalManager | Responsible for one or several maintenance functions of a card payment acceptance terminal. |

19.1.6.3.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType33Code" on page 1053

| CodeName | Name | Definition |
|----------|-----------------------|---|
| OPOI | OriginatingPOI | Point Of Interaction initiating the card payment transaction. |
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | Cardlssuer | Party that issues cards. |
| DLIS | Delegatelssuer | Party to whom the card issuer delegates to authorise card payment transactions. |
| MTMG | MasterTerminalManager | Responsible for the maintenance of a card payment acceptance terminal. |
| TAXH | TaxAuthority | Tax authority. |
| TMGT | TerminalManager | Responsible for one or several maintenance functions of a card payment acceptance terminal. |

19.1.6.3.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 1091

19.1.6.3.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.4 GenericIdentification90

Definition: Identification of an entity.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|---------|-------------|------|
| | Identification < <i>Id</i> > | [0..1] | Text | | 761 |
| | Type < <i>Tp</i> > | [1..1] | CodeSet | | 761 |
| | Issuer < <i>Issr</i> > | [0..1] | CodeSet | | 761 |
| | Country < <i>Ctry</i> > | [0..1] | Text | | 762 |
| | ShortName < <i>ShrtNm</i> > | [0..1] | Text | | 762 |

19.1.6.4.1 Identification <*Id*>

Presence: [0..1]

Definition: Identification of the entity.

Datatype: ["Max35Text" on page 1088](#)

19.1.6.4.2 Type <*Tp*>

Presence: [1..1]

Definition: Type of identified entity.

Datatype: ["PartyType14Code" on page 1053](#)

| CodeName | Name | Definition |
|----------|-------------------|--|
| OPOI | OriginatingPOI | Point Of Interaction initiating the card payment transaction. |
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |
| DLIS | DelegatedIssuer | Party to whom the card issuer delegates to authorise card payment transactions. |
| ICCA | CardApplication | Application in the smart card. |

19.1.6.4.3 Issuer <*Issr*>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: ["PartyType4Code" on page 1054](#)

| CodeName | Name | Definition |
|----------|-------------------|--|
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |
| TAXH | TaxAuthority | Tax authority. |

19.1.6.4.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 1091

19.1.6.4.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1088

19.1.6.5 GenericIdentification36

Definition: Identification using a proprietary scheme.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 762 |
| | Issuer <lssr> | [1..1] | Text | | 762 |
| | SchemeName <SchmeNm> | [0..1] | Text | | 763 |

19.1.6.5.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 1088

19.1.6.5.2 Issuer <lssr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 1088

19.1.6.5.3 SchemeName <SchmeNm>

Presence: [0..1]

Definition: Short textual description of the scheme.

Datatype: "Max35Text" on page 1088

19.1.6.6 GenericIdentification4

Definition: Information related to an identification, eg, party identification or account identification.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------|--------|------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 763 |
| | IdentificationType <IdTp> | [1..1] | Text | | 763 |

19.1.6.6.1 Identification <Id>

Presence: [1..1]

Definition: Identifier issued to a person for which no specific identifier has been defined.

Datatype: "Max35Text" on page 1088

19.1.6.6.2 IdentificationType <IdTp>

Presence: [1..1]

Definition: Specifies the nature of the identifier.

Usage: IdentificationType is used to specify what kind of identifier is used. It should be used in case the identifier is different from the identifiers listed in the pre-defined identifier list.

Datatype: "Max35Text" on page 1088

19.1.7 Miscellaneous

19.1.7.1 SupplementaryData1

Definition: Additional information that can not be captured in the structured fields and/or any other specific block.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-------------------|-------------|------|
| | PlaceAndName <PlcAndNm> | [0..1] | Text | | 763 |
| | Envelope <Envlp> | [1..1] | (External Schema) | | 764 |

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

19.1.7.1.1 PlaceAndName <PlcAndNm>

Presence: [0..1]

Definition: Unambiguous reference to the location where the supplementary data must be inserted in the message instance.

In the case of XML, this is expressed by a valid XPath.

Datatype: ["Max350Text" on page 1088](#)

19.1.7.1.2 Envelope <Envlp>

Presence: [1..1]

Definition: Technical element wrapping the supplementary data.

Type: (External Schema)

Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

19.1.7.2 RetailerPaymentResult6

Definition: Payment Data Results.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | TransactionType <TxTp> | [1..1] | CodeSet | | 767 |
| | AdditionalService <AddtlSvc> | [0..*] | CodeSet | | 768 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 769 |
| | RequestedTransaction <ReqdTx> | [0..1] | ± | | 769 |
| | TransactionResponse <TxRspn> | [0..1] | | | 774 |
| | AuthorisationResult <AuthstnRslt> | [1..1] | | | 777 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 777 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 778 |
| | Response <Rspn> | [1..1] | CodeSet | | 778 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 778 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 778 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 778 |
| | CompletionRequired <CmpltnReqrd> | [0..1] | Indicator | | 778 |
| | TMSTrigger <TMSTrggr> | [0..1] | | | 779 |
| | TMSContactLevel <TMSCtctLv> | [1..1] | CodeSet | | 779 |
| | TMSIdentification <TMSId> | [0..1] | Text | | 779 |
| | TMSContactDateTime <TMSCtctDtTm> | [0..1] | DateTime | | 779 |
| | AllowedProductCode <AllwdPdctCd> | [0..*] | | | 779 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | NotAllowedProductCode <NotAllwdPdctCd> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | AdditionalAvailableProduct <AddtlAvlblPdct> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 781 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 781 |
| | AmountLimit <AmtLmt> | [0..1] | Amount | | 781 |
| | QuantityLimit <QtyLmt> | [0..1] | Quantity | | 781 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 781 |
| | Balance <Bal> | [0..1] | ± | | 783 |
| | ProtectedBalance <PrtctdBal> | [0..1] | ± | | 783 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Action <Actn> | [0..*] | | | 784 |
| | ActionType <ActnTp> | [1..1] | CodeSet | | 784 |
| | MessageToPresent <MsgToPres> | [0..1] | ± | | 785 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 786 |
| | Retry <Rtry> | [0..1] | ± | | 786 |
| | TimeCondition <TmCond> | [0..1] | ± | | 786 |
| | CurrencyConversionEligibility <CcyConvsElgbty> | [0..1] | | | 787 |
| | CurrencyConversionIdentification <CcyConvslD> | [0..1] | Text | | 789 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 789 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 789 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 789 |
| | Decimal <DcmI> | [1..1] | Quantity | | 789 |
| | Name <Nm> | [0..1] | Text | | 790 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 790 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 790 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 790 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 790 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 790 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 790 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 790 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 791 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 791 |
| | Decimal <DcmI> | [0..1] | Quantity | | 791 |
| | Name <Nm> | [0..1] | Text | | 791 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 791 |
| | LowerBin <LwrBin> | [1..1] | Text | | 792 |
| | HigherBin <HghrBin> | [1..1] | Text | | 792 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 792 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 792 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 792 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 792 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CommissionDetails <ComssnDtls> | [0..*] | | | 793 |
| | Amount <Amt> | [1..1] | Amount | | 793 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 793 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 793 |
| | Rate <Rate> | [1..1] | Rate | | 793 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 793 |
| | DeclarationDetails <DecltnDtls> | [0..*] | ± | | 793 |
| | CustomerOrder <CstmrOrdr> | [0..*] | ± | | 794 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 795 |
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 795 |
| | ImageData <ImgData> | [0..1] | Binary | | 795 |
| | ImageReference <ImgRef> | [0..1] | Text | | 796 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 796 |
| | ProtectedCapturedSignature <PrtctdCaptrdSgntr> | [0..1] | ± | | 796 |
| | MerchantOverrideFlag <MrchntOvrrdFlg> | [0..1] | Indicator | | 796 |
| | CustomerLanguage <CstmrLang> | [0..1] | CodeSet | C6 | 796 |
| | OnlineFlag <OnlnFlg> | [0..1] | Indicator | | 796 |

19.1.7.2.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of payment transaction.

Datatype: "CardPaymentServiceType12Code" on page 1035

| CodeName | Name | Definition |
|----------|-----------------------|--|
| BALC | Balance | Balance enquiry. |
| CACT | CardActivation | Card activation. |
| CRDP | CardPayment | Card payment. |
| CAFH | CardsFundTransferPush | Transfer of funds to a card or an account. |
| CAVR | CardVerification | Card verification. |
| CSHW | CashAdvance | Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter. |
| CSHD | CashDeposit | Cash deposit. |
| DEFR | DeferredPayment | Deferred payment. |

| CodeName | Name | Definition |
|----------|---------------------------|--|
| LOAD | Loading | Loading or reloading non-financial account. |
| ORCR | OriginalCredit | Original credit. |
| PINC | PINChange | PIN (Personal Identification Number) change. |
| QUCH | QuasiCash | Quasi-cash. |
| RFND | Refund | Refund transaction. |
| RESA | Reservation | Reservation (pre-authorisation). |
| VALC | ValidityCheck | Card validity check. |
| UNLD | Unloading | Unloading non-financial account. |
| CAFT | CardsFundTransfer | Transfer of funds to and/or from a card account. |
| CAFL | CardsFundTransferPull | Transfer of funds from a card or an account. |
| CIDD | CardInitiatingDirectDebit | Direct Debit initiated by Card. |

19.1.7.2.2 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Service provided by the card payment transaction, in addition to the main service.

Datatype: ["CardPaymentServiceType9Code" on page 1037](#)

| CodeName | Name | Definition |
|----------|-------------------------|---|
| AGGR | Aggregation | Aggregation of low payments. |
| DCCV | DCC | Dynamic currency conversion (DCC). |
| GRTT | Gratuity | Card payment with gratuity. |
| LOYT | Loyalty | Loyalty services. |
| NRES | NoShow | No show after reservation. |
| PUCO | PurchaseCorporate | Purchase and corporate data. |
| RECP | RecurringPayment | Recurring payment. |
| SOAF | SolicitedAvailableFunds | Solicited available funds. |
| VCAU | VoiceAuthorisation | Voice authorisation. |
| INSI | IssuerInstalment | Instalment payment transaction performed by the card issuer. |
| INSA | AcceptorInstalment | Instalment payment transaction performed by the acceptor or the acquirer. |
| CSHB | CashBack | Card payment with cash-back. |
| INST | Instant | Instant transaction. |
| NRFD | NonRefundable | Payment of goods or services which are not refundable, for instance low cost airline tickets. |

19.1.7.2.3 ServiceAttribute <SvcAttr>

Presence: [0..1]

Definition: Additional attribute of the service type.

Datatype: "CardPaymentServiceType14Code" on page 1036

| CodeName | Name | Definition |
|----------|--------------------|---|
| IRES | InitialReservation | Initial reservation. |
| URES | UpdateReservation | Update reservation. |
| PRES | PaymentReservation | Payment after reservation. |
| ARES | AdditionalPayment | Additional payment after reservation. |
| FREC | FirstRecurring | Initial recurring payment. |
| RREC | FollowingRecurring | Repeat recurring payment. |
| GOPT | GuaranteeOfPayment | Acceptor claims for guarantee of payment. |

19.1.7.2.4 RequestedTransaction <ReqdTx>

Presence: [0..1]

Definition: Data associated with the Transaction.

RequestedTransaction <ReqdTx> contains the following elements (see "CardPaymentTransaction136" on page 708 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | TransactionCapture <TxCaptr> | [0..1] | Indicator | | 713 |
| | TransactionType <TxTp> | [1..1] | CodeSet | | 713 |
| | AdditionalService <AddtlSvc> | [0..*] | CodeSet | | 714 |
| | ServiceAttribute <SvcAttr> | [0..1] | CodeSet | | 714 |
| | LastTransactionFlag <LastTxFlg> | [0..1] | Indicator | | 715 |
| | MerchantCategoryCode <MrchntCtgyCd> | [0..1] | Text | | 715 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 715 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 715 |
| | OriginalTransaction <OrgnTx> | [0..1] | | | 716 |
| | SaleReferenceIdentification <SaleRefId> | [0..1] | Text | | 718 |
| | TransactionIdentification <TxId> | [1..1] | ± | | 718 |
| | POIIdentification <POIId> | [1..1] | ± | | 718 |
| | CurrencyConversion <CcyConvs> | [0..1] | | | 718 |
| | Result <Rslt> | [1..1] | CodeSet | | 721 |
| | ResultReason <RsltRsn> | [0..1] | Text | | 721 |
| | ConversionDetails <ConvsDtls> | [0..*] | | | 721 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 723 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 723 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 723 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 723 |
| | Decimal <Dcm> | [1..1] | Quantity | | 723 |
| | Name <Nm> | [0..1] | Text | | 723 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 724 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 724 |
| | InvertedExchangeRate <NvrtXchgRate> | [0..1] | Rate | | 724 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 724 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 724 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 724 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 724 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 725 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | NumericCode <NmrcCd> | [0..1] | Text | | 725 |
| | Decimal <DcmI> | [0..1] | Quantity | | 725 |
| | Name <Nm> | [0..1] | Text | | 725 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 725 |
| | LowerBin <LwrBin> | [1..1] | Text | | 726 |
| | HigherBin <HghrBin> | [1..1] | Text | | 726 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 726 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 726 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 726 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 726 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 727 |
| | Amount <Amt> | [1..1] | Amount | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 727 |
| | Rate <Rate> | [1..1] | Rate | | 727 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 727 |
| | DeclarationDetails <DclrtnDtls> | [0..*] | ± | | 727 |
| | ReconciliationIdentification <RcncltnId> | [0..1] | Text | | 728 |
| | IssuerReferenceData <IssrRefData> | [0..1] | Text | | 728 |
| | IssuerCITIdentification <IssrCITId> | [0..1] | Text | | 728 |
| | MerchantCITIdentification <MrchntCITId> | [0..1] | Text | | 728 |
| | TransactionDetails <TxDtls> | [1..1] | | | 729 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 732 |
| | TotalAmount <TtlAmt> | [1..1] | Amount | | 732 |
| | CumulativeAmount <CmltvAmt> | [0..1] | Amount | | 732 |
| | AmountQualifier <AmtQlfr> | [0..1] | CodeSet | | 732 |
| | DetailedAmount <DtldAmt> | [0..1] | ± | | 732 |
| | RequestedAmount <ReqdAmt> | [0..1] | Amount | | 733 |
| | AuthorisedAmount <AuthrsdAmt> | [0..1] | Amount | | 733 |
| | InvoiceAmount <InvcAmt> | [0..1] | Amount | | 733 |
| | ValidityDate <VldtyDt> | [0..1] | Date | | 733 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | OnLineReason <OnLineRsn> | [0..*] | CodeSet | | 733 |
| | UnattendedLevelCategory <UattnndLvlCtgy> | [0..1] | Text | | 734 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 734 |
| | CurrencyConversionResult <CcyConvsRslt> | [0..1] | | | 735 |
| | AcceptedByCardholder <AccptdByCrdhldr> | [0..1] | Indicator | | 737 |
| | Conversion <Convs> | [0..1] | | | 737 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 739 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 739 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 739 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 739 |
| | Decimal <DcmI> | [1..1] | Quantity | | 739 |
| | Name <Nm> | [0..1] | Text | | 739 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 740 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 740 |
| | InvertedExchangeRate <NvrtDxchgRate> | [0..1] | Rate | | 740 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 740 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 740 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 740 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 740 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 741 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 741 |
| | Decimal <DcmI> | [0..1] | Quantity | | 741 |
| | Name <Nm> | [0..1] | Text | | 741 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 741 |
| | LowerBin <LwrBin> | [1..1] | Text | | 742 |
| | HigherBin <HghrBin> | [1..1] | Text | | 742 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 742 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 742 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 742 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 742 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 743 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 743 |
| | Rate <Rate> | [1..1] | Rate | | 743 |
| | AdditionalInformation <AddtlInf> | [0..1] | Text | | 743 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 743 |
| | Instalment <Instlmt> | [0..*] | ± | | 744 |
| | Recurring <Rcrng> | [0..1] | ± | | 745 |
| | AggregationTransaction <AggtnTx> | [0..1] | ± | | 746 |
| | ProductCodeSetIdentification <PdctCdSetId> | [0..1] | Text | | 746 |
| | SaleItem <Saleitm> | [0..*] | ± | | 746 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 747 |
| | ReSubmissionCounter <ReSubmissnCntr> | [0..1] | Quantity | | 747 |
| | CompletionSequenceNumber <CmpltnSeqNb> | [0..1] | Quantity | | 747 |
| | CompletionSequenceCounter <CmpltnSeqCntr> | [0..1] | Quantity | | 747 |
| | TotalAuthorisedAmount <TtlAuthrsdAmt> | [0..1] | Amount | | 748 |
| | AdditionalInformation <AddtlInf> | [0..*] | | | 748 |
| | Identification <Id> | [1..1] | Text | | 748 |
| | Value <Val> | [0..1] | Binary | | 748 |
| | ProtectedValue <PrctdVal> | [0..1] | ± | | 748 |
| | Type <Tp> | [0..1] | Text | | 749 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 749 |
| | AuthorisationResult <AuthstnRslt> | [0..1] | | | 749 |
| | AuthorisationEntity <AuthstnNtly> | [0..1] | ± | | 749 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 750 |
| | Response <Rspn> | [1..1] | CodeSet | | 750 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 750 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 751 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 751 |
| | MerchantReferenceData <MrchntRefData> | [0..1] | Text | | 751 |
| | CustomerOrder <CstmrOrdr> | [0..1] | ± | | 751 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CustomerToken <CstmrTkn> | [0..1] | ± | | 751 |
| | CustomerConsent <CstmrCnsnt> | [0..1] | Indicator | | 752 |
| | CardProgrammeProposed <CardPrgrmmPropsd> | [0..*] | Text | | 752 |
| | CardProgrammeApplied <CardPrgrmmApId> | [0..1] | Text | | 752 |
| | SaleToPOIData <SaleToPOIData> | [0..1] | Text | | 752 |
| | SaleToAcquirerData <SaleToAcqrrData> | [0..1] | Text | | 753 |
| | SaleToIssuerData <SaleTolssrData> | [0..1] | Text | | 753 |
| | AdditionalTransactionData <AddtlTxData> | [0..*] | Text | | 753 |

19.1.7.2.5 TransactionResponse <TxRspn>

Presence: [0..1]

Definition: Result of the transaction processing.

TransactionResponse <TxRspn> contains the following **CardPaymentTransaction132** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | AuthorisationResult <AuthstnRslt> | [1..1] | | | 777 |
| | AuthorisationEntity <AuthstnNtty> | [0..1] | ± | | 777 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 778 |
| | Response <Rspn> | [1..1] | CodeSet | | 778 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 778 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 778 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 778 |
| | CompletionRequired <CmpltnReqrd> | [0..1] | Indicator | | 778 |
| | TMSTrigger <TMSTrgr> | [0..1] | | | 779 |
| | TMSContactLevel <TMSCtctLvl> | [1..1] | CodeSet | | 779 |
| | TMSIdentification <TMSId> | [0..1] | Text | | 779 |
| | TMSContactDateTime <TMSCtctDtTm> | [0..1] | DateTime | | 779 |
| | AllowedProductCode <AllwdPdctCd> | [0..*] | | | 779 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | NotAllowedProductCode <NotAllwdPdctCd> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |
| | AdditionalAvailableProduct <AddtlAvlblPdct> | [0..*] | | | 780 |
| | ProductCode <PdctCd> | [1..1] | Text | | 781 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 781 |
| | AmountLimit <AmtLmt> | [0..1] | Amount | | 781 |
| | QuantityLimit <QtyLmt> | [0..1] | Quantity | | 781 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 781 |
| | Balance <Bal> | [0..1] | ± | | 783 |
| | ProtectedBalance <PrctdBal> | [0..1] | ± | | 783 |
| | Action <Actn> | [0..*] | | | 784 |
| | ActionType <ActnTp> | [1..1] | CodeSet | | 784 |
| | MessageToPresent <MsgToPres> | [0..1] | ± | | 785 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 786 |
| | Retry <Rtry> | [0..1] | ± | | 786 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | TimeCondition <TmCond> | [0..1] | ± | | 786 |
| | CurrencyConversionEligibility <CcyConvsElgbty> | [0..1] | | | 787 |
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 789 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 789 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 789 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 789 |
| | Decimal <DcmI> | [1..1] | Quantity | | 789 |
| | Name <Nm> | [0..1] | Text | | 790 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 790 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 790 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 790 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 790 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 790 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 790 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 790 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 791 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 791 |
| | Decimal <DcmI> | [0..1] | Quantity | | 791 |
| | Name <Nm> | [0..1] | Text | | 791 |
| | ApplicableBinRange <ApplblBinRg> | [0..*] | | | 791 |
| | LowerBin <LwrBin> | [1..1] | Text | | 792 |
| | HigherBin <HghrBin> | [1..1] | Text | | 792 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 792 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 792 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 792 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 792 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 793 |
| | Amount <Amt> | [1..1] | Amount | | 793 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 793 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 793 |
| | Rate <Rate> | [1..1] | Rate | | 793 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|------|-------------|------|
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 793 |
| | DeclarationDetails <DeclnDtls> | [0..*] | ± | | 793 |

19.1.7.2.5.1 AuthorisationResult <AuthstnRslt>

Presence: [1..1]

Definition: Outcome of the authorisation, and actions to perform.

AuthorisationResult <AuthstnRslt> contains the following AuthorisationResult17 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | AuthorisationEntity <AuthstnNtty> | [0..1] | ± | | 777 |
| | ResponseToAuthorisation <RspnToAuthstn> | [1..1] | | | 778 |
| | Response <Rspn> | [1..1] | CodeSet | | 778 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 778 |
| | AdditionalResponseInformation <AddtlRspnInfr> | [0..1] | Text | | 778 |
| | AuthorisationCode <AuthstnCd> | [0..1] | Text | | 778 |
| | CompletionRequired <CmpltnReqrd> | [0..1] | Indicator | | 778 |
| | TMSTrigger <TMSTrggr> | [0..1] | | | 779 |
| | TMSContactLevel <TMSCtctLvl> | [1..1] | CodeSet | | 779 |
| | TMSIdentification <TMSId> | [0..1] | Text | | 779 |
| | TMSContactDateTime <TMSCtctDtTm> | [0..1] | DateTime | | 779 |

19.1.7.2.5.1.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

AuthorisationEntity <AuthstnNtty> contains the following elements (see "GenericIdentification90" on page 761 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Identification <Id> | [0..1] | Text | | 761 |
| | Type <Tp> | [1..1] | CodeSet | | 761 |
| | Issuer <lssr> | [0..1] | CodeSet | | 761 |
| | Country <Ctry> | [0..1] | Text | | 762 |
| | ShortName <ShrtNm> | [0..1] | Text | | 762 |

19.1.7.2.5.1.2 ResponseToAuthorisation <RspnToAuthstn>

Presence: [1..1]

Definition: Response to an authorisation request.

ResponseToAuthorisation <RspnToAuthstn> contains the following **ResponseType10** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 778 |
| | ResponseReason <RspnRsn> | [0..1] | Text | | 778 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 778 |

19.1.7.2.5.1.2.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the transaction.

Datatype: ["Response9Code" on page 1062](#)

| CodeName | Name | Definition |
|----------|-----------------|---|
| APPR | Approved | Service has been successfully provided. |
| DECL | Declined | Service is declined. |
| PART | PartialApproved | Service has been partially provided. |
| SUSP | Suspended | Transaction has been received but hasn't been processed. |
| TECH | TechnicalError | Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem). |

19.1.7.2.5.1.2.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detailed result of the transaction.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.2.5.1.2.3 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information on the response for further examination.

Datatype: ["Max140Text" on page 1086](#)

19.1.7.2.5.1.3 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: ["Max8Text" on page 1090](#)

19.1.7.2.5.1.4 CompletionRequired <CmpltnReqrds>

Presence: [0..1]

Definition: Indicates whether the acquirer requires a further exchange completion after the completion of the transaction.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.2.5.1.5 TMSTrigger <TMSTrggr>

Presence: [0..1]

Definition: Instructs the point of interaction (POI) how to contact the host to initiate the maintenance of the terminal.

TMSTrigger <TMSTrggr> contains the following **TMSTrigger1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|----------|-------------|------|
| | TMSContactLevel <TMSCtctLvl> | [1..1] | CodeSet | | 779 |
| | TMSIdentification <TMSId> | [0..1] | Text | | 779 |
| | TMSContactDateTime <TMSCtctDtTm> | [0..1] | DateTime | | 779 |

19.1.7.2.5.1.5.1 TMSContactLevel <TMSCtctLvl>

Presence: [1..1]

Definition: Level of urgency in contacting the maintenance.

Datatype: "[TMSContactLevel1Code](#)" on page 1076

| CodeName | Name | Definition |
|----------|------------------|--|
| CRIT | Critical | Terminal management system has to be contacted before the next transaction. |
| ASAP | AsSoonAsPossible | Terminal management system has to be contacted as soon as possible (for example after reconciliation). |
| DTIM | DateTime | Terminal management system has to be contacted at the date and time provided. |

19.1.7.2.5.1.5.2 TMSIdentification <TMSId>

Presence: [0..1]

Definition: Identification of the host to contact for the maintenance.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.2.5.1.5.3 TMSContactDateTime <TMSCtctDtTm>

Presence: [0..1]

Definition: Date and time for calling the maintenance.

Datatype: "[ISODateTime](#)" on page 1081

19.1.7.2.5.2 AllowedProductCode <AllwdPdctCd>

Presence: [0..*]

Definition: Product code which are allowed by the payment card.

AllowedProductCode <AllwdPdctCd> contains the following **Product4** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|------|-------------|------|
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |

19.1.7.2.5.2.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.2.5.2.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.2.5.3 NotAllowedProductCode <NotAllwdPdctCd>

Presence: [0..*]

Definition: Product code not allowed by the payment card.

NotAllowedProductCode <NotAllwdPdctCd> contains the following **Product4** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|------|-------------|------|
| | ProductCode <PdctCd> | [1..1] | Text | | 780 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 780 |

19.1.7.2.5.3.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.2.5.3.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.2.5.4 AdditionalAvailableProduct <AddtlAvlblPdct>

Presence: [0..*]

Definition: Products that may be added to the purchase after the authorisation.

AdditionalAvailableProduct <AddtlAvlblPdct> contains the following **Product5** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|----------|-------------|------|
| | ProductCode <PdctCd> | [1..1] | Text | | 781 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 781 |
| | AmountLimit <AmtLmt> | [0..1] | Amount | | 781 |
| | QuantityLimit <QtyLmt> | [0..1] | Quantity | | 781 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 781 |

19.1.7.2.5.4.1 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code of the item.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.2.5.4.2 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.2.5.4.3 AmountLimit <AmtLmt>

Presence: [0..1]

Definition: Amount limit for the product.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.2.5.4.4 QuantityLimit <QtyLmt>

Presence: [0..1]

Definition: Quantity limit for the product.

Datatype: ["DecimalNumber" on page 1084](#)

19.1.7.2.5.4.5 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: ["UnitOfMeasure6Code" on page 1079](#)

| CodeName | Name | Definition |
|----------|-------|--|
| PIEC | Piece | Standard length of cloth, wallpaper, as an item for sale or amount of a substance. |
| TONS | Ton | Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton). |
| FOOT | Foot | Unit of length equal to 1/3 yard. |

| CodeName | Name | Definition |
|-----------------|-----------------|---|
| GBGA | GBGallon | Unit of volume that is equal to 8 pints. |
| USGA | USGallon | Unit of volume that is equal to 8 pints. |
| GRAM | Gram | Unit of measure that is equal to a 1, 000th of a kilo. |
| INCH | Inch | Measure of length equal to 2.54 cm. |
| KILO | Kilogram | Basic unit of mass in the SI system, 1000 grams. |
| PUND | Pound | Unit of weight equal to 0.454 kilograms. |
| METR | Metre | Unit of length in the metric system, equal to 39.37 inches. |
| CMET | Centimetre | Unit of measure that is equal to one hundredth of a metre. |
| MMET | Millimetre | Unit of measure that is a thousandth of one metre. |
| LITR | Litre | Unit of volume that is equal to a thousand cubic centimetres. |
| CELI | Centilitre | Unit of volume that is equal to one hundredth of a litre. |
| MILI | MilliLitre | Unit of volume that is equal to one thousandth of a litre. |
| GBOU | GBOunce | Unit of weight equal to a sixteenth of a pound. |
| USOU | USOunce | Unit of weight equal to a sixteenth of a pound. |
| GBQA | GBQuart | Unit of volume that is equal to 2 pints. |
| USQA | USQuart | Unit of volume that is equal to 2 pints. |
| GBPI | GBPint | Unit of volume that is equal to 568 cubic centimetres. |
| USPI | USPint | Unit of volume that is equal to 473 cubic centimetres. |
| MILE | Mile | Unit of length equal to 1, 760 yards. |
| KMET | Kilometre | Unit of measure that is equal to 1, 000 meters. |
| YARD | Yard | Unit of length equal to 3 feet or 0.9144 metre. |
| SQKI | SquareKilometre | Measure of a surface, one kilometre by one kilometre. |
| HECT | Hectare | Unit of measure that is equal to 10, 000 square meters. |
| ARES | Are | Unit of measure equal to a 100 square meters. |
| SMET | SquareMetre | Measure of a surface, one metre by one metre. |

| CodeName | Name | Definition |
|----------|--------------------------|---|
| SCMT | SquareCentimetre | Measure of a surface, one centimetre by one centimetre. |
| SMIL | SquareMillimetre | Measure of a surface, one millimetre by one millimetre. |
| SQMI | SquareMile | Measure of a surface, one mile by one mile. |
| SQYA | SquareYard | Measure of a surface, one yard by one yard. |
| SQFO | SquareFoot | Measure of a surface, one foot by one foot. |
| SQIN | SquareInch | Measure of a surface, one inch by one inch. |
| ACRE | Acre | Unit of measure equal to 4, 840 square yards. |
| KWHO | KilowattHours | Unit of measure that is equal to the power consumption of one kilowatt during one hour. |
| DGEU | DieselGallonEquivalent | Amount of fuel alternative equal to one gallon of diesel. |
| GGEU | GasolineGallonEquivalent | Amount of fuel alternative equal to one gallon of gasoline. |

19.1.7.2.5.5 Balance <Bal>

Presence: [0..1]

Definition: Balance and currency code of the account, related to the payment.

Balance <Bal> contains the following elements (see "[AmountAndDirection93](#)" on page 702 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|-----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 702 |
| | Currency <Ccy> | [1..1] | CodeSet | C1 | 703 |
| | Sign <Sgn> | [0..1] | Indicator | | 703 |

19.1.7.2.5.6 ProtectedBalance <PrtctdBal>

Presence: [0..1]

Definition: Encrypted balance of the account.

ProtectedBalance <PrtctdBal> contains the following elements (see "[ContentInformationType40](#)" on page 989 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.7.2.5.7 Action <Actn>

Presence: [0..*]

Definition: Set of actions to be performed by the POI (Point Of Interaction) system.

Action <Actn> contains the following Action15 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|---------|-------------|------|
| | ActionType <ActnTp> | [1..1] | CodeSet | | 784 |
| | MessageToPresent <MsgToPres> | [0..1] | ± | | 785 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 786 |
| | Retry <Rtry> | [0..1] | ± | | 786 |
| | TimeCondition <TmCond> | [0..1] | ± | | 786 |

19.1.7.2.5.7.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the POI (Point Of Interaction) system.

Datatype: "ActionType13Code" on page 1016

| CodeName | Name | Definition |
|----------|--|--|
| BUSY | Busy | Server busy, try later. |
| CPTR | CaptureCard | Capture the card. |
| DISP | DisplayMessage | Message to display, print or log. |
| NOVR | ForbidOverride | Payment application cannot propose to the merchant an override of the payment transaction. |
| RQID | IdentificationRequired | Additional identification required (passport, ID card, etc.). |
| PINL | PINLastTry | Last PIN (Personal Identification Number) try. |
| PINR | PINRetry | PIN (Personal Identification Number) is wrong, retry a PIN verification. |
| PRNT | PrintMessage | Print a message. |
| RFRL | Referral | Referral has to be performed. |
| RQDT | RequestData | Request additional data through a displayed text and request confirmation by an attendant. |
| DCCQ | AcceptCurrencyConversion | Ask the cardholder to accept the currency conversion. |
| FLFW | FallForward | Fall-forward from contactless to chip card transaction required. |
| PINQ | PINRequest | Request Cardholder Authentication through PIN insertion. |
| CDCV | ConsumerDeviceCardholderVerificationMethod | Request Cardholder Authentication according to the |

| CodeName | Name | Definition |
|----------|--------------------------|---|
| | | ConsumerDeviceCardholderVerification Method. |
| CHDA | CardholderAuthentication | Additional authentication of cardholder required. |
| STAR | StopAllRecurring | Recurring transactions is no more allowed for this card and for all merchants. |
| STOR | StopOneRecurring | Cardholder has revoked this recurring transaction for this merchant. |
| ACUP | AccountUpdate | Indicates that the account was updated and should be taken into account for future authorisation. |
| TALT | TryAgainLater | Indicates that the authorization should be resubmitted at a later time. |
| DNTA | DoNotTryAgain | Indicates that this account shouldn't be used anymore. |

19.1.7.2.5.7.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Message to be displayed to the cardholder or the cashier.

MessageToPresent <MsgToPres> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrcd> | [0..1] | | | 865 |
| | BarcodeType <BrcdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrcdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCdBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCdVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCdNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCdErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.7.2.5.7.3 RemoteAccess <RmotAccs>

Presence: [0..1]

Definition: Access information to reach the target host.

RemoteAccess <RmotAccs> contains the following elements (see "[NetworkParameters7](#)" on page 937 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Address <Adr> | [1..*] | | | 938 |
| | NetworkType <NtwkTp> | [1..1] | CodeSet | | 938 |
| | AddressValue <AdrVal> | [1..1] | Text | | 938 |
| | UserName <UsrNm> | [0..1] | Text | | 938 |
| | AccessCode <AccsCd> | [0..1] | Binary | | 939 |
| | ServerCertificate <SvrCert> | [0..*] | Binary | | 939 |
| | ServerCertificateIdentifier <SvrCertldr> | [0..*] | Binary | | 939 |
| | ClientCertificate <ClntCert> | [0..*] | Binary | | 939 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 939 |

19.1.7.2.5.7.4 Retry <Rtry>

Presence: [0..1]

Definition: Definition of retry process if activation of an action fails.

Retry <Rtry> contains the following elements (see "[ProcessRetry3](#)" on page 1006 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | Delay <Dely> | [1..1] | Text | | 1006 |
| | MaximumNumber <MaxNb> | [0..1] | Quantity | | 1006 |
| | UnitOfTime <UnitOfTm> | [0..1] | CodeSet | | 1006 |

19.1.7.2.5.7.5 TimeCondition <TmCond>

Presence: [0..1]

Definition: Timing condition for periodic exchanges.

TimeCondition <TmCond> contains the following elements (see "[ProcessTiming6](#)" on page 1007 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | StartTime <StartTm> | [0..1] | DateTime | | 1007 |
| | EndTime <EndTm> | [0..1] | DateTime | | 1007 |
| | Period <Prd> | [0..1] | Text | | 1007 |
| | UnitOfTime <UnitOfTm> | [0..1] | CodeSet | | 1007 |

19.1.7.2.5.8 CurrencyConversionEligibility <CcyConvsElgbty>

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 <CcyConvsElgbtly> contains the following **CurrencyConversion29** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | CurrencyConversionIdentification <CcyConvsId> | [0..1] | Text | | 789 |
| | TargetCurrency <TrgtCcy> | [1..1] | | | 789 |
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 789 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 789 |
| | Decimal <DcmI> | [1..1] | Quantity | | 789 |
| | Name <Nm> | [0..1] | Text | | 790 |
| | ResultingAmount <RsltgAmt> | [0..1] | Amount | | 790 |
| | ExchangeRate <XchgRate> | [1..1] | Rate | | 790 |
| | InvertedExchangeRate <NvrtdXchgRate> | [0..1] | Rate | | 790 |
| | QuotationDate <QtnDt> | [0..1] | DateTime | | 790 |
| | ValidFrom <VldFr> | [0..1] | DateTime | | 790 |
| | ValidUntil <VldUntil> | [0..1] | DateTime | | 790 |
| | SourceCurrency <SrcCcy> | [1..1] | | | 790 |
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 791 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 791 |
| | Decimal <DcmI> | [0..1] | Quantity | | 791 |
| | Name <Nm> | [0..1] | Text | | 791 |
| | ApplicableBinRange <AplblBinRg> | [0..*] | | | 791 |
| | LowerBin <LwrBin> | [1..1] | Text | | 792 |
| | HigherBin <HghrBin> | [1..1] | Text | | 792 |
| | OriginalAmount <OrgnlAmt> | [0..1] | | | 792 |
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 792 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 792 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 792 |
| | CommissionDetails <ComssnDtls> | [0..*] | | | 793 |
| | Amount <Amt> | [1..1] | Amount | | 793 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 793 |
| | MarkUpDetails <MrkUpDtls> | [0..*] | | | 793 |
| | Rate <Rate> | [1..1] | Rate | | 793 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 793 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------|--------|------|-------------|------|
| | DeclarationDetails <DclRtnDtls> | [0..*] | ± | | 793 |

19.1.7.2.5.8.1 CurrencyConversionIdentification <CcyConvId>

Presence: [0..1]

Definition: Identification of the currency conversion operation for the service provider.

Datatype: "Max35Text" on page 1088

19.1.7.2.5.8.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

Definition: Currency into which the amount is converted (ISO 4217, 3 alphanumeric characters).

TargetCurrency <TrgtCcy> contains the following **CurrencyDetails3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | AlphaCode <AlphaCd> | [1..1] | CodeSet | C1 | 789 |
| | NumericCode <NmrcCd> | [1..1] | Text | | 789 |
| | Decimal <DcmI> | [1..1] | Quantity | | 789 |
| | Name <Nm> | [0..1] | Text | | 790 |

19.1.7.2.5.8.2.1 AlphaCode <AlphaCd>

Presence: [1..1]

Definition: Alpha currency code (ISO 4217, 3 alphanumeric characters).

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.7.2.5.8.2.2 NumericCode <NmrcCd>

Presence: [1..1]

Definition: Numeric currency code (ISO 4217, 3 numeric characters).

Datatype: "Exact3NumericText" on page 1085

19.1.7.2.5.8.2.3 Decimal <DcmI>

Presence: [1..1]

Definition: Maximal number of digits after the decimal separator for the currency.

Datatype: "Number" on page 1084

19.1.7.2.5.8.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.2.5.8.3 ResultingAmount <RsltgAmt>

Presence: [0..1]

Definition: Amount converted in the target currency, including additional charges.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1013

19.1.7.2.5.8.4 ExchangeRate <XchgRate>

Presence: [1..1]

Definition: Exchange rate, expressed as a percentage, applied to convert the original amount into the resulting amount.

Datatype: "[PercentageRate](#)" on page 1085

19.1.7.2.5.8.5 InvertedExchangeRate <NvrtXchgRate>

Presence: [0..1]

Definition: Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

Datatype: "[PercentageRate](#)" on page 1085

19.1.7.2.5.8.6 QuotationDate <QtnDt>

Presence: [0..1]

Definition: Date and time at which the exchange rate has been quoted.

Datatype: "[ISODateTime](#)" on page 1081

19.1.7.2.5.8.7 ValidFrom <VldFr>

Presence: [0..1]

Definition: Specifies when the currency conversion could start.

Datatype: "[ISODateTime](#)" on page 1081

19.1.7.2.5.8.8 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "[ISODateTime](#)" on page 1081

19.1.7.2.5.8.9 SourceCurrency <SrcCcy>

Presence: [1..1]

Definition: Currency from which the amount is converted (ISO 4217, 3 alphanumeric characters).

SourceCurrency <SrcCcy> contains the following **CurrencyDetails2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | AlphaCode <AlphaCd> | [0..1] | CodeSet | C1 | 791 |
| | NumericCode <NmrcCd> | [0..1] | Text | | 791 |
| | Decimal <DcmI> | [0..1] | Quantity | | 791 |
| | Name <Nm> | [0..1] | Text | | 791 |

19.1.7.2.5.8.9.1 AlphaCode <AlphaCd>

Presence: [0..1]

Definition: Alpha currency code (ISO 4217, 3 alphanumeric characters).

Impacted by: C1 "ActiveCurrency"

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.7.2.5.8.9.2 NumericCode <NmrcCd>

Presence: [0..1]

Definition: Numeric currency code (ISO 4217, 3 numeric characters).

Datatype: ["Exact3NumericText" on page 1085](#)

19.1.7.2.5.8.9.3 Decimal <DcmI>

Presence: [0..1]

Definition: Maximal number of digits after the decimal separator for the currency.

Datatype: ["Number" on page 1084](#)

19.1.7.2.5.8.9.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.2.5.8.10 ApplicableBinRange <AplblBinRg>

Presence: [0..*]

Definition: Range of Bin for which the conversion is possible.

ApplicableBinRange <ApplBlBinRg> contains the following **BinRange1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | LowerBin <LwrBin> | [1..1] | Text | | 792 |
| | HigherBin <HghrBin> | [1..1] | Text | | 792 |

19.1.7.2.5.8.10.1 LowerBin <LwrBin>

Presence: [1..1]

Definition: Lower value of BIN in the range.

Datatype: ["Max15NumericText" on page 1086](#)

19.1.7.2.5.8.10.2 HigherBin <HghrBin>

Presence: [1..1]

Definition: Higher value of BIN in the range.

Datatype: ["Max15NumericText" on page 1086](#)

19.1.7.2.5.8.11 OriginalAmount <OrgnlAmt>

Presence: [0..1]

Definition: Original amount in the source currency.

OriginalAmount <OrgnlAmt> contains the following **OriginalAmountDetails1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | ActualAmount <ActlAmt> | [0..1] | Amount | | 792 |
| | MinimumAmount <MinAmt> | [0..1] | Amount | | 792 |
| | MaximumAmount <MaxAmt> | [0..1] | Amount | | 792 |

19.1.7.2.5.8.11.1 ActualAmount <ActlAmt>

Presence: [0..1]

Definition: Actual amount to be converted.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.2.5.8.11.2 MinimumAmount <MinAmt>

Presence: [0..1]

Definition: Minimum amount for conversion (in case of range of amounts).

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.2.5.8.11.3 MaximumAmount <MaxAmt>

Presence: [0..1]

Definition: Maximum amount for conversion (in case of range of amounts).

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.2.5.8.12 CommissionDetails <ComssnDtls>

Presence: [0..*]

Definition: Commission or additional charges made as part of a currency conversion.

CommissionDetails <ComssnDtls> contains the following **Commission19** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|--------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 793 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 793 |

19.1.7.2.5.8.12.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.2.5.8.12.2 AdditionalInformation <AddtlInft>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: ["Max350Text" on page 1088](#)

19.1.7.2.5.8.13 MarkUpDetails <MrkUpDtls>

Presence: [0..*]

Definition: Markup made as part of a currency conversion.

MarkUpDetails <MrkUpDtls> contains the following **Commission18** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|------|-------------|------|
| | Rate <Rate> | [1..1] | Rate | | 793 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 793 |

19.1.7.2.5.8.13.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: ["PercentageRate" on page 1085](#)

19.1.7.2.5.8.13.2 AdditionalInformation <AddtlInft>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: ["Max350Text" on page 1088](#)

19.1.7.2.5.8.14 DeclarationDetails <DclRtnDtls>

Presence: [0..*]

Definition: Card scheme declaration (disclaimer) to present to the cardholder.

DeclarationDetails <DclRtnDtls> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrccd> | [0..1] | | | 865 |
| | BarcodeType <BrccdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrccdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.7.2.6 CustomerOrder <CstmrOrdr>

Presence: [0..*]

Definition: Customer order attached to a customer, recorded in the POI system.

CustomerOrder <CstmrOrdr> contains the following elements (see "[CustomerOrder1](#)" on page 912 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | CustomerOrderIdentification <CstmrOrdrId> | [1..1] | Text | | 912 |
| | SaleReferenceIdentification <SaleRefId> | [1..1] | Text | | 912 |
| | OpenOrderState <OpnOrdrStat> | [0..1] | Indicator | | 913 |
| | StartDate <StartDt> | [1..1] | DateTime | | 913 |
| | EndDate <EndDt> | [0..1] | DateTime | | 913 |
| | Unit <Unit> | [0..1] | CodeSet | | 913 |
| | ForecastedAmount <FrcstdAmt> | [1..1] | Amount | | 913 |
| | CurrentAmount <CurAmt> | [0..1] | Amount | | 913 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 913 |
| | AccessedBy <AccsdBy> | [0..1] | Text | | 914 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 914 |

19.1.7.2.7 ImageCapturedSignature <ImgCaptrdSgntr>

Presence: [0..1]

Definition: Numeric value of a handwritten signature.

ImageCapturedSignature <ImgCaptrdSgntr> contains the following **CapturedSignature1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|--------|-------------|------|
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 795 |
| | ImageData <ImgData> | [0..1] | Binary | | 795 |
| | ImageReference <ImgRef> | [0..1] | Text | | 796 |
| | AdditionalInformation <AddtlInft> | [0..1] | Text | | 796 |

19.1.7.2.7.1 ImageFormat <ImgFrmt>

Presence: [1..1]

Definition: Format of the image.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.2.7.2 ImageData <ImgData>

Presence: [0..1]

Definition: Data of the image.

Datatype: "[Max2MBBinary](#)" on page 1015

19.1.7.2.7.3 ImageReference <ImgRef>

Presence: [0..1]

Definition: URL or name of the image.

Datatype: ["Max500Text" on page 1089](#)

19.1.7.2.7.4 AdditionalInformation <AddtlInft>

Presence: [0..1]

Definition: Additional information for the image.

Datatype: ["Max140Text" on page 1086](#)

19.1.7.2.8 ProtectedCapturedSignature <PrtctdCaptrdSgntr>

Presence: [0..1]

Definition: Protected value of a handwritten signature.

ProtectedCapturedSignature <PrtctdCaptrdSgntr> contains the following elements (see ["ContentInformationType40" on page 989](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.7.2.9 MerchantOverrideFlag <MrchntOvrrdFlg>

Presence: [0..1]

Definition: Indicate that the Merchant forced the result of the payment to successful.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.2.10 CustomerLanguage <CstmrLang>

Presence: [0..1]

Definition: Language used to display messages to the customer.

Impacted by: [C6 "ValidationByTable"](#)

Datatype: ["LanguageCode" on page 1048](#)

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.7.2.11 OnlineFlag <OnlnFlg>

Presence: [0..1]

Definition: Indicate that the payment transaction processing has required the approval of an acquirer.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.3 RecurringTransaction6

Definition: Element related to recurring transaction.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|----------|-------------|------|
| | PlanIdentification < <i>PlanId</i> > | [0..1] | Text | | 797 |
| | SequenceNumber < <i>SqNb</i> > | [0..1] | Quantity | | 797 |
| | PeriodUnit < <i>PrdUnit</i> > | [0..1] | CodeSet | | 797 |
| | GracePeriod < <i>GracePrd</i> > | [0..*] | ± | | 798 |
| | PlanNotice < <i>PlanNtce</i> > | [0..*] | ± | | 798 |

19.1.7.3.1 PlanIdentification <*PlanId*>

Presence: [0..1]

Definition: Identification of the recurring plan.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.3.2 SequenceNumber <*SqNb*>

Presence: [0..1]

Definition: Indicates the recurring occurrence of the transaction (1 = 1st recurring, 2 = 2nd recurring, etc.).

Datatype: "[Number](#)" on page 1084

19.1.7.3.3 PeriodUnit <*PrdUnit*>

Presence: [0..1]

Definition: Period unit between consecutive payments (for example day, month, year).

Datatype: "[Frequency3Code](#)" on page 1044

| CodeName | Name | Definition |
|----------|------------|--|
| YEAR | Annual | Event takes place every year or once a year. |
| MNTH | Monthly | Event takes place every month or once a month. |
| QURT | Quarterly | Event takes place every three months or four times a year. |
| MIAN | SemiAnnual | Event takes place every six months or two times a year. |
| WEEK | Weekly | Event takes place once a week. |
| DAIL | Daily | Event takes place every day. |

| CodeName | Name | Definition |
|----------|---------|--|
| TEND | TenDays | Event takes place every ten business days. |

19.1.7.3.4 GracePeriod <GracePrd>

Presence: [0..*]

Definition: Contains grace period details.

GracePeriod <GracePrd> contains the following elements (see "[GracePeriod1](#)" on page 707 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | Time <Tm> | [1..1] | Text | | 707 |
| | UnitType <UnitTp> | [1..1] | CodeSet | | 707 |
| | OtherUnitType <OthrUnitTp> | [0..1] | Text | | 708 |

19.1.7.3.5 PlanNotice <PlanNtce>

Presence: [0..*]

Definition: Notice related to the RecurringPlan.

PlanNotice <PlanNtce> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrcd> | [0..1] | | | 865 |
| | BarcodeType <BrcdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrcdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCdBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCdVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCdNcodgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCdErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.7.4 Instalment5

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|----------|-------------|------|
| | InstalmentPlan <InstlmtPlan> | [0..*] | CodeSet | | 799 |
| | PlanIdentification <PlanId> | [0..1] | Text | | 800 |
| | PlanOwner <PlanOwnr> | [0..1] | CodeSet | | 800 |
| | SequenceNumber <SeqNb> | [0..1] | Quantity | | 800 |
| | PeriodUnit <PrdUnit> | [0..1] | CodeSet | | 800 |
| | InstalmentPeriod <InstlmtPrd> | [0..1] | Quantity | | 801 |
| | TotalNumberOfPayments <TtlNbOfPmts> | [0..1] | Quantity | | 801 |
| | FirstPaymentDate <FrstPmtDt> | [0..1] | Date | | 801 |
| | TotalAmount <TtlAmt> | [0..1] | Amount | C1, C4 | 801 |
| | FirstAmount <FrstAmt> | [0..1] | Amount | | 801 |
| | SubsequentAmount <SbsqntAmt> | [0..1] | Amount | | 802 |
| | LastAmount <LastAmt> | [0..1] | Amount | | 802 |
| | Charges <Chrgs> | [0..1] | Amount | | 802 |
| | DetailedCharges <DtldChrgs> | [0..*] | ± | | 802 |
| | InterestRate <IntrstRate> | [0..*] | | | 802 |
| | Type <Tp> | [0..1] | CodeSet | | 803 |
| | OtherType <OthrTp> | [0..1] | Text | | 803 |
| | Period <Prd> | [1..1] | CodeSet | | 803 |
| | Rate <Rate> | [1..1] | Rate | | 803 |
| | GracePeriod <GracePrd> | [0..*] | ± | | 803 |
| | PlanNotice <PlanNtce> | [0..*] | ± | | 804 |

19.1.7.4.1 InstalmentPlan <InstlmtPlan>

Presence: [0..*]

Definition: Type of instalment plan.

Datatype: "InstalmentPlan1Code" on page 1047

| CodeName | Name | Definition |
|----------|----------------|---|
| EQPM | EqualPayment | The payment is split in several instalments of equal amounts. |
| NQPM | InequalPayment | The payment is split in several instalments of different amounts. |

| CodeName | Name | Definition |
|----------|--------------------|-----------------------------------|
| DFRI | DeferredInstalment | The first instalment is deferred. |

19.1.7.4.2 PlanIdentification <PlanId>

Presence: [0..1]

Definition: Identification of the instalment plan.

Datatype: "Max35Text" on page 1088

19.1.7.4.3 PlanOwner <PlanOwnr>

Presence: [0..1]

Definition: Type of the Plan Owner.

Datatype: "PlanOwner1Code" on page 1056

| CodeName | Name | Definition |
|----------|---------------|------------------------------------|
| ACCP | Acceptor | Plan owner is an acceptor. |
| ACQR | Acquirer | Plan owner is an acquirer. |
| ISSR | Issuer | Plan owner is an issuer. |
| OTHN | OtherNational | plan owner type is other national. |
| OTHP | OtherPrivate | plan owner type is other private. |

19.1.7.4.4 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Indicates the instalment occurrence of the transaction (1 = 1st instalment, 2 = 2nd instalment, etc.).

Datatype: "Number" on page 1084

19.1.7.4.5 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period unit between consecutive payments (for example day, month, year).

Datatype: "Frequency3Code" on page 1044

| CodeName | Name | Definition |
|----------|------------|--|
| YEAR | Annual | Event takes place every year or once a year. |
| MNTH | Monthly | Event takes place every month or once a month. |
| QURT | Quarterly | Event takes place every three months or four times a year. |
| MIAN | SemiAnnual | Event takes place every six months or two times a year. |
| WEEK | Weekly | Event takes place once a week. |
| DAIL | Daily | Event takes place every day. |

| CodeName | Name | Definition |
|----------|---------|--|
| TEND | TenDays | Event takes place every ten business days. |

19.1.7.4.6 InstalmentPeriod <InstlmtPrd>

Presence: [0..1]

Definition: Number of period units between consecutive payments.

Datatype: "Number" on page 1084

19.1.7.4.7 TotalNumberOfPayments <TtlNbOfPmts>

Presence: [0..1]

Definition: Total number of instalment payments.

Datatype: "Number" on page 1084

19.1.7.4.8 FirstPaymentDate <FrstPmtDt>

Presence: [0..1]

Definition: Date of the first payment.

Datatype: "ISODate" on page 1081

19.1.7.4.9 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Cumulative amount of all the instalments.

Impacted by: C1 "ActiveCurrency", C4 "CurrencyAmount"

Datatype: "ActiveCurrencyAndAmount" on page 1013

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

- **CurrencyAmount**

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

19.1.7.4.10 FirstAmount <FrstAmt>

Presence: [0..1]

Definition: Amount of the first payment.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.4.11 SubsequentAmount <SbsqntAmt>

Presence: [0..1]

Definition: Amount of subsequent payments but the first one.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.4.12 LastAmount <LastAmt>

Presence: [0..1]

Definition: Amount of the last payment.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.4.13 Charges <Chrgs>

Presence: [0..1]

Definition: Charges related to the transaction.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.4.14 DetailedCharges <DtIdChrgs>

Presence: [0..*]

Definition: Contains the charge details of an instalment plan.

DetailedCharges <DtIdChrgs> contains the following elements (see ["InstalmentAmountDetails1" on page 703](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Type <Tp> | [0..1] | CodeSet | | 703 |
| | OtherType <OthrTp> | [0..1] | Text | | 704 |
| | SubType <SubTp> | [0..1] | Text | | 704 |
| | Amount <Amt> | [0..1] | ± | | 704 |
| | Percentage <Pctg> | [0..1] | Rate | | 704 |

19.1.7.4.15 InterestRate <IntrstRate>

Presence: [0..*]

Definition: Details of the interest rate.

InterestRate <IntrstRate> contains the following **InterestRateDetails1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Type <Tp> | [0..1] | CodeSet | | 803 |
| | OtherType <OthrTp> | [0..1] | Text | | 803 |
| | Period <Prd> | [1..1] | CodeSet | | 803 |
| | Rate <Rate> | [1..1] | Rate | | 803 |

19.1.7.4.15.1 Type <Tp>

Presence: [0..1]

Definition: Interest rate applicable to the instalment.

Datatype: "[InterestRate1Code](#)" on page 1047

| CodeName | Name | Definition |
|----------|---------------|---------------------------------------|
| GSRT | GrossRate | Gross interest rate of the instalment |
| NTRT | NetRate | Net interest rate of the instalment |
| OTHN | OtherNational | Other interest rate of the instalment |
| OTHP | OtherPrivate | Other interest rate of the instalment |

19.1.7.4.15.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of interest applied to the instalment, when Type is OtherNational or OtherPrivate.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.4.15.3 Period <Prd>

Presence: [1..1]

Definition: Contains instalment period

Datatype: "[InstalmentPeriod1Code](#)" on page 1047

| CodeName | Name | Definition |
|----------|---------|----------------------------|
| MNTH | Monthly | Monthly instalment period. |
| ANNU | Annual | Annual instalment period. |

19.1.7.4.15.4 Rate <Rate>

Presence: [1..1]

Definition: Rate expressed as a decimal, example, 0.7 is 7/10 and 70%.

Datatype: "[BaseOneRate](#)" on page 1084

19.1.7.4.16 GracePeriod <GracePrd>

Presence: [0..*]

Definition: Contains grace period details.

GracePeriod <GracePrd> contains the following elements (see "[GracePeriod1](#)" on page 707 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | Time < <i>Tm</i> > | [1..1] | Text | | 707 |
| | UnitType < <i>UnitTp</i> > | [1..1] | CodeSet | | 707 |
| | OtherUnitType < <i>OthrUnitTp</i> > | [0..1] | Text | | 708 |

19.1.7.4.17 PlanNotice <PlanNtce>

Presence: [0..*]

Definition: Notice related to the InstalmentPlan.

PlanNotice <PlanNtce> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrCd> | [0..1] | | | 865 |
| | BarcodeType <BrCdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrCdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.7.5 PaymentReceipt6

Definition: Customer or merchant receipts generated by the POI system.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 804 |
| | IntegratedPrintFlag <IntgrtdPrtFlg> | [0..1] | Indicator | | 805 |
| | RequiredSignatureFlag <ReqrdSgntrFlg> | [0..1] | Indicator | | 805 |
| | OutputContent <OutptCntr> | [1..1] | ± | | 805 |

19.1.7.5.1 DocumentQualifier <DocQlfr>

Presence: [1..1]

Definition: Qualification of the document to print to the Cashier or the Customer.

Datatype: "[DocumentType7Code](#)" on page 1042

| CodeName | Name | Definition |
|----------|---------------------------|--|
| JNRL | Journal | When the POI or the Sale System wants to store a message on the journal printer or electronic journal of the Sale Terminal (it is sometimes a Sale Logging/Journal Printer). |
| CRCP | CustomerReceipt | When the Sale System requires the POI system to print the Customer receipt. |
| HRCP | CashierReceipt | When the Sale system print the Cashier copy of the Payment receipt. |
| SRCP | SaleReceipt | When the Sale System requires the POI system to print the Sale receipt. |
| RPIN | RelatedPaymentInstruction | Document is a linked payment instruction to which the current payment instruction is related, for example, in a cover scenario. |
| VCHR | Voucher | Document is an electronic payment document. |

19.1.7.5.2 IntegratedPrintFlag <IntgrtdPrtFlg>

Presence: [0..1]

Definition: Flag is the print is integrated to other prints.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.5.3 RequiredSignatureFlag <ReqrdSgntrFlg>

Presence: [0..1]

Definition: Flag to indicate that the cardholder payment receipt requires a signature by the customer.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.5.4 OutputContent <OutptCntr>

Presence: [1..1]

Definition: Document to print.

OutputContent <OutptCntt> contains the following elements (see "[ActionMessage11](#)" on page 862 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrct> | [0..1] | | | 865 |
| | BarcodeType <BrctTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrctVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.7.6 CardPaymentEnvironment80

Definition: Environment of the transaction.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | Acquirer <Acqrr> | [0..1] | ± | | 812 |
| | ServiceProvider <SvcPrvdr> | [0..1] | ± | | 812 |
| | Merchant <Mrchnt> | [0..1] | | | 813 |
| | Identification <Id> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |
| | POI <POI> | [0..1] | | | 814 |
| | Identification <Id> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Capblties> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |
| | Card <Card> | [0..1] | | | 819 |
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |
| | MaskedPAN <MsdkPAN> | [0..1] | Text | | 823 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | IssuerBIN </ssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |
| | Check <Chck> | [0..1] | | | 824 |
| | BankIdentification <Bkld> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |
| | StoredValueAccount <StordValAcct> | [0..*] | | | 827 |
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |
| | LoyaltyAccount <LityAcct> | [0..*] | ± | | 830 |
| | CustomerDevice <CstmrDvc> | [0..1] | ± | | 831 |
| | Wallet <Wlt> | [0..1] | ± | | 831 |
| | PaymentToken <PmtTkn> | [0..1] | ± | | 831 |
| | MerchantToken <MrchntTkn> | [0..1] | ± | | 832 |
| | Cardholder <Crdhldr> | [0..1] | | | 832 |
| | Identification <Id> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <Drvrld> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |
| | Name <Nm> | [0..1] | Text | | 839 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BlgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShpggAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmptn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeeldNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glcntr> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |
| | ProtectedCardholderData <PrtctdCrdhldrData> | [0..1] | ± | | 859 |
| | SaleEnvironment <SaleEnvrt> | [0..1] | | | 860 |
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LtyHdlg> | [0..1] | CodeSet | | 862 |

19.1.7.6.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer involved in the card payment.

Acquirer <Acqrr> contains the following elements (see "Acquirer10" on page 638 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|------|-------------|------|
| | Identification <Id> | [0..1] | ± | | 638 |
| | ParametersVersion <ParamsVrsn> | [0..1] | Text | | 638 |

19.1.7.6.2 ServiceProvider <SvcPrvdr>

Presence: [0..1]

Definition: Third party agent which provides services.

ServiceProvider <SvcPrvdr> contains the following elements (see "[Acquirer10](#)" on page 638 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|------|-------------|------|
| | Identification </d> | [0..1] | ± | | 638 |
| | ParametersVersion <ParamsVrsn> | [0..1] | Text | | 638 |

19.1.7.6.3 Merchant <Mrchnt>

Presence: [0..1]

Definition: Merchant performing the card payment transaction.

Usage: In some cases, merchant and acceptor may be regarded as the same entity.

Merchant <Mrchnt> contains the following **Organisation41** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | Identification </d> | [0..1] | ± | | 813 |
| | CommonName <CmonNm> | [0..1] | Text | | 813 |
| | LocationCategory <LctnCtgy> | [0..1] | CodeSet | | 813 |
| | LocationAndContact <LctnAndCtct> | [0..1] | ± | | 814 |
| | SchemeData <SchmeData> | [0..1] | Text | | 814 |

19.1.7.6.3.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the merchant.

Identification <Id> contains the following elements (see "[GenericIdentification32](#)" on page 753 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 753 |
| | Type <Tp> | [0..1] | CodeSet | | 753 |
| | Issuer <lssr> | [0..1] | CodeSet | | 754 |
| | ShortName <ShrtNm> | [0..1] | Text | | 754 |

19.1.7.6.3.2 CommonName <CmonNm>

Presence: [0..1]

Definition: Name of the merchant as appearing on the receipt.

Datatype: "[Max70Text](#)" on page 1090

19.1.7.6.3.3 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Location category of the place where the merchant actually performed the transaction.

Datatype: ["LocationCategory4Code" on page 1049](#)

| CodeName | Name | Definition |
|----------|--------------|--|
| ABRD | Aboard | Aboard is used when the sale is done in a vehicle (e.g a bus, train, ship, airplane, taxi, etc). |
| NMDC | Nomadic | Nomadic is used when the merchant is traveling to different locations (e.g fair or sport events, home delivery, food truck). |
| FIXD | PhysicalShop | Fixed location, for example in a shop. |
| VIRT | VirtualShop | Virtual Shop is used for any ecommerce solution. |

19.1.7.6.3.4 LocationAndContact <LctnAndCtct>

Presence: [0..1]

Definition: Location and contact information of the merchant performing the transaction.

LocationAndContact <LctnAndCtct> contains the following elements (see ["CommunicationAddress9" on page 701](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|------|-------------|------|
| | PostalAddress <PstlAdr> | [0..1] | ± | | 701 |
| | Email <Email> | [0..1] | Text | | 701 |
| | URLAddress <URLAdr> | [0..1] | Text | | 702 |
| | Phone <Phne> | [0..1] | Text | | 702 |
| | CustomerService <CstmrSvc> | [0..1] | Text | | 702 |
| | AdditionalContactInformation <AddtlCtctInf> | [0..1] | Text | | 702 |

19.1.7.6.3.5 SchemeData <SchmeData>

Presence: [0..1]

Definition: Additional merchant data required by a card scheme.

Datatype: ["Max140Text" on page 1086](#)

19.1.7.6.4 POI <POI>

Presence: [0..1]

Definition: Point of interaction (POI) performing the transaction.

POI <POI> contains the following **PointOfInteraction14** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | ± | | 815 |
| | SystemName <SysNm> | [0..1] | Text | | 815 |
| | GroupIdentification <Grpld> | [0..1] | Text | | 816 |
| | Capabilities <Cpbilities> | [0..1] | ± | | 816 |
| | TimeZone <TmZone> | [0..1] | Text | | 816 |
| | TerminalIntegration <TermnlIntgtn> | [0..1] | CodeSet | | 816 |
| | Component <Cmpnt> | [0..*] | ± | | 817 |

19.1.7.6.4.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the POI (Point Of Interaction) for the acquirer or its agent.

Identification <Id> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

19.1.7.6.4.2 SystemName <SysNm>

Presence: [0..1]

Definition: Common name assigned by the acquirer to the POI (Point Of Interaction) system.

Datatype: "[Max70Text](#)" on page 1090

19.1.7.6.4.3 GroupIdentification <Grpld>

Presence: [0..1]

Definition: Identifier assigned by the merchant identifying a set of POI (Point Of Interaction) terminals performing some categories of transactions.

Datatype: "Max35Text" on page 1088

19.1.7.6.4.4 Capabilities <Cpbilities>

Presence: [0..1]

Definition: Capabilities of the POI (Point Of Interaction) performing the transaction.

Capabilities <Cpbilities> contains the following elements (see "[PointOfInteractionCapabilities9](#)" on page 914 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CardReadingCapabilities <CardRdngCpbilities> | [0..*] | CodeSet | | 915 |
| | CardholderVerificationCapabilities <CrdhldrVrfctnCpbilities> | [0..*] | CodeSet | | 915 |
| | PINLengthCapabilities <PINLngthCpbilities> | [0..1] | Quantity | | 916 |
| | ApprovalCodeLength <ApprvlCdlngth> | [0..1] | Quantity | | 916 |
| | MaxScriptLength <MxScrtLngh> | [0..1] | Quantity | | 916 |
| | CardCaptureCapable <CardCaptrCpbil> | [0..1] | Indicator | | 916 |
| | OnLineCapabilities <OnLineCpbilities> | [0..1] | CodeSet | | 916 |
| | MessageCapabilities <MsgCpbilities> | [0..*] | | | 917 |
| | Destination <Dstn> | [1..*] | CodeSet | | 917 |
| | AvailableFormat <AvlblFrmt> | [0..*] | CodeSet | | 917 |
| | NumberOfLines <NbOfLines> | [0..1] | Quantity | | 918 |
| | LineWidth <LineWidth> | [0..1] | Quantity | | 918 |
| | AvailableLanguage <AvlblLang> | [0..*] | CodeSet | C6 | 918 |

19.1.7.6.4.5 TimeZone <TmZone>

Presence: [0..1]

Definition: Time zone name as defined by IANA (Internet Assigned Numbers Authority) in the time zone data base. America/Chicago or Europe/Paris are examples of time zone names.

Datatype: "Max70Text" on page 1090

19.1.7.6.4.6 TerminalIntegration <TermnlIntgtn>

Presence: [0..1]

Definition: Indicates the type of integration of the POI terminal in the sale environment.

Datatype: "LocationCategory3Code" on page 1048

| CodeName | Name | Definition |
|----------|----------------------|--|
| INDR | Indoor | Indoor terminal. |
| IPMP | InsidePump | Terminal incorporated in the pump dispensing petrol. |
| MPOI | MultiplePOITerminal | Multiple terminals linked to a unique sale terminal. |
| MPMP | MultiplePump | Outdoor terminal serving several petrol pumps. |
| MSLE | MultipleSaleTerminal | Terminal serving multiple sale terminals. |
| SSLE | SingleSaleTerminal | Terminal linked to a unique sale terminal. |
| VNDG | VendingMachine | Terminal integrated in a vending machine. |

19.1.7.6.4.7 Component <Cmpnt>

Presence: [0..*]

Definition: Data related to a component of the POI (Point Of Interaction) performing the transaction.

Component <Cmpnt> contains the following elements (see "[PointOfInteractionComponent15](#)" on page 867 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|-----------|-------------|------|
| | Type <Tp> | [1..1] | CodeSet | | 869 |
| | SubTypeInformation <SubTpInf> | [0..1] | Text | | 870 |
| | Identification </d> | [1..1] | | | 871 |
| | ItemNumber <ItmNb> | [0..1] | Text | | 871 |
| | ProviderIdentification <PrvdrId> | [0..1] | Text | | 871 |
| | Identification </d> | [0..1] | Text | | 871 |
| | SerialNumber <SrlNb> | [0..1] | Text | | 871 |
| | Status <Sts> | [0..1] | | | 871 |
| | VersionNumber <VrsnNb> | [0..1] | Text | | 872 |
| | Status <Sts> | [0..1] | CodeSet | | 872 |
| | ExpiryDate <XpryDt> | [0..1] | Date | | 872 |
| | StandardCompliance <StdCmplc> | [0..*] | | | 872 |
| | Identification </d> | [1..1] | Text | | 872 |
| | Version <Vrsn> | [1..1] | Text | | 873 |
| | Issuer <lssr> | [1..1] | Text | | 873 |
| | Characteristics <Chrtcs> | [0..1] | | | 873 |
| | Memory <Mmry> | [0..*] | | | 874 |
| | Identification </d> | [1..1] | Text | | 875 |
| | TotalSize <TtlSz> | [1..1] | Quantity | | 875 |
| | FreeSize <FreeSz> | [1..1] | Quantity | | 875 |
| | Unit <Unit> | [1..1] | CodeSet | | 875 |
| | Communication <Com> | [0..*] | | | 875 |
| | CommunicationType <ComTp> | [1..1] | CodeSet | | 876 |
| | RemoteParty <RmtPty> | [1..*] | CodeSet | | 877 |
| | Active <Actv> | [1..1] | Indicator | | 877 |
| | Parameters <Params> | [0..1] | ± | | 877 |
| | PhysicalInterface <PhysIntrfc> | [0..1] | | | 878 |
| | InterfaceName <IntrfcNm> | [1..1] | Text | | 878 |
| | InterfaceType <IntrfcTp> | [0..1] | CodeSet | | 878 |
| | UserName <UsrNm> | [0..1] | Text | | 879 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | AccessCode <AccsCd> | [0..1] | Binary | | 879 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 879 |
| | AdditionalParameters <AddtlParams> | [0..1] | Binary | | 879 |
| | SecurityAccessModules <SctyAccsMdls> | [0..1] | Quantity | | 880 |
| | SubscriberIdentityModules <SbcbrldntyMdls> | [0..1] | Quantity | | 880 |
| | SecurityElement <SctyElmt> | [0..*] | ± | | 880 |
| | Assessment <Assmnt> | [0..*] | | | 881 |
| | Type <Tp> | [1..1] | CodeSet | | 882 |
| | Assigner <Assgnr> | [1..*] | Text | | 882 |
| | DeliveryDate <DlvryDt> | [0..1] | DateTime | | 882 |
| | ExpirationDate <XprtnDt> | [0..1] | DateTime | | 882 |
| | Number <Nb> | [1..1] | Text | | 882 |
| | Package <Packg> | [0..*] | | | 883 |
| | Packageldentification <PackglId> | [0..1] | ± | | 883 |
| | PackageLength <PackglLngh> | [0..1] | Quantity | | 883 |
| | OffsetStart <OffsetStart> | [0..1] | Quantity | | 883 |
| | OffsetEnd <OffsetEnd> | [0..1] | Quantity | | 884 |
| | PackageBlock <PackgBlck> | [0..*] | | | 884 |
| | Identification </d> | [1..1] | Text | | 884 |
| | Value <Val> | [0..1] | Binary | | 884 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 884 |
| | Type <Tp> | [0..1] | Text | | 885 |

19.1.7.6.5 Card <Card>

Presence: [0..1]

Definition: Payment card performing the transaction.

Card <Card> contains the following **PaymentCard35** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|-----------|-------------|------|
| | ProtectedCardData <PrtctdCardData> | [0..1] | ± | | 820 |
| | PrivateCardData <PrvtCardData> | [0..1] | Binary | | 821 |
| | PlainCardData <PlainCardData> | [0..1] | | | 821 |
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdhldrNm> | [0..1] | Text | | 822 |
| | PaymentAccountReference <PmtAcctRef> | [0..1] | Text | | 822 |
| | MaskedPAN <MskdPAN> | [0..1] | Text | | 823 |
| | IssuerBIN <IssrBIN> | [0..1] | Text | | 823 |
| | CardCountryCode <CardCtryCd> | [0..1] | Text | | 823 |
| | CardCurrencyCode <CardCcyCd> | [0..1] | Text | | 823 |
| | CardProductProfile <CardPdctPrfl> | [0..1] | Text | | 823 |
| | CardBrand <CardBrnd> | [0..1] | Text | | 823 |
| | CardProductType <CardPdctTp> | [0..1] | CodeSet | | 823 |
| | CardProductSubType <CardPdctSubTp> | [0..1] | Text | | 824 |
| | InternationalCard <IntrnlCard> | [0..1] | Indicator | | 824 |
| | AllowedProduct <AllwdPdct> | [0..*] | Text | | 824 |
| | ServiceOption <SvcOptn> | [0..1] | Text | | 824 |
| | AdditionalCardData <AddtlCardData> | [0..1] | Text | | 824 |

19.1.7.6.5.1 ProtectedCardData <PrtctdCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a digital envelope using a cryptographic key.

ProtectedCardData <PrtctdCardData> contains the following elements (see "ContentInformationType40" on page 989 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.7.6.5.2 PrivateCardData <PrvtCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a private envelope.

Datatype: "Max100KBinary" on page 1014

19.1.7.6.5.3 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData22** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|------|-------------|------|
| | PAN <PAN> | [1..1] | Text | | 821 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 821 |
| | EffectiveDate <FctvDt> | [0..1] | Text | | 821 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 822 |
| | ServiceCode <SvcCd> | [0..1] | Text | | 822 |
| | Track1 <Trck1> | [0..1] | Text | | 822 |
| | Track2 <Trck2> | [0..1] | Text | | 822 |
| | Track3 <Trck3> | [0..1] | Text | | 822 |
| | CardholderName <CrdrHldrNm> | [0..1] | Text | | 822 |

19.1.7.6.5.3.1 PAN <PAN>

Presence: [1..1]

Definition: Primary Account Number (PAN) of the card, or surrogate of the PAN by a payment token.

Datatype: "Min8Max28NumericText" on page 1091

19.1.7.6.5.3.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN or token.

Datatype: "Min2Max3NumericText" on page 1091

19.1.7.6.5.3.3 EffectiveDate <FctvDt>

Presence: [0..1]

Definition: Date from which the card can be used, expressed either in the YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10Text" on page 1086

19.1.7.6.5.3.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card or the payment token expressed either in the YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10Text" on page 1086

19.1.7.6.5.3.5 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Services attached to the card, as defined in ISO 7813.

Datatype: "Exact3NumericText" on page 1085

19.1.7.6.5.3.6 Track1 <Trck1>

Presence: [0..1]

Definition: ISO track 1 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The format is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max76Text" on page 1090

19.1.7.6.5.3.7 Track2 <Trck2>

Presence: [0..1]

Definition: ISO track 2 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max37Text" on page 1088

19.1.7.6.5.3.8 Track3 <Trck3>

Presence: [0..1]

Definition: ISO track 3 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 4909, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max104Text" on page 1086

19.1.7.6.5.3.9 CardholderName <CrdhldrNm>

Presence: [0..1]

Definition: Name of the cardholder stored on the card.

Datatype: "Max45Text" on page 1089

19.1.7.6.5.4 PaymentAccountReference <PmtAcctRef>

Presence: [0..1]

Definition: Unique reference to the card, used by both merchants and acquirers to link tokenized and non-tokenized transactions associated to the same underlying card.

Datatype: "Max70Text" on page 1090

19.1.7.6.5.5 MaskedPAN <MskdPAN>

Presence: [0..1]

Definition: Masked PAN to be printed on payment receipts or displayed to the cardholder. Masked digits may be absent or replaced by another character as '*'.

Datatype: "Max30Text" on page 1087

19.1.7.6.5.6 IssuerBIN <IssrBIN>

Presence: [0..1]

Definition: Bank identifier number of the issuer for routing purpose.

Datatype: "Max15NumericText" on page 1086

19.1.7.6.5.7 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1089

19.1.7.6.5.8 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1085

19.1.7.6.5.9 CardProductProfile <CardPdctPrfl>

Presence: [0..1]

Definition: Defines a category of cards related to the acceptance processing rules defined by the acquirer.

Datatype: "Max35Text" on page 1088

19.1.7.6.5.10 CardBrand <CardBrnd>

Presence: [0..1]

Definition: Brand name of the card.

Datatype: "Max35Text" on page 1088

19.1.7.6.5.11 CardProductType <CardPdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "CardProductType1Code" on page 1038

| CodeName | Name | Definition |
|----------|----------------|--|
| COMM | CommercialCard | Cards issued as a means of business expenditure, for instance business card or corporate card. The user could be a company, an individual for business |

| CodeName | Name | Definition |
|----------|--------------|--|
| | | expenses or a self employed for business purposes. |
| CONS | ConsumerCard | Cards issued as a means of personal expenditure. The user is always an individual. |

19.1.7.6.5.12 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Additional information to identify CardProduct.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.5.13 InternationalCard <IntrnlCard>

Presence: [0..1]

Definition: True if the card may be used abroad.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.6.5.14 AllowedProduct <AllwdPdct>

Presence: [0..*]

Definition: Product that can be purchased with the card.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.6.5.15 ServiceOption <SvcOptn>

Presence: [0..1]

Definition: Options to the service provided by the card.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.5.16 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.6.6 Check <Chck>

Presence: [0..1]

Definition: Check Payment instrument.

Check <Chck> contains the following **Check1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------|--------|----------|-------------|------|
| | BankIdentification <BkId> | [0..1] | Text | | 825 |
| | AccountNumber <AcctNb> | [0..1] | Text | | 825 |
| | CheckNumber <ChckNb> | [0..1] | Text | | 825 |
| | CheckCardNumber <ChckCardNb> | [0..1] | Text | | 825 |
| | CheckTrackData2 <ChckTrckData2> | [0..1] | | | 825 |
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |
| | CheckType <ChckTp> | [0..1] | CodeSet | | 826 |
| | Country <Ctry> | [0..1] | Text | | 827 |

19.1.7.6.6.1 BankIdentification <BkId>

Presence: [0..1]

Definition: Identification of the institution (bank) issuing the check.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.6.2 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Identification of the account linked to the check.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.6.3 CheckNumber <ChckNb>

Presence: [0..1]

Definition: Identification of the check.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.6.4 CheckCardNumber <ChckCardNb>

Presence: [0..1]

Definition: Check guarantee card number.

The human readable number from the Check Guarantee Card that is presented during the check tendering process.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.6.5 CheckTrackData2 <ChckTrckData2>

Presence: [0..1]

Definition: Track Data of the check to digitally identify the data.

CheckTrackData2 <ChckTrckData2> contains the following **TrackData2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | TrackNumber <TrckNb> | [0..1] | Quantity | | 826 |
| | TrackFormat <TrckFrmt> | [0..1] | CodeSet | | 826 |
| | TrackValue <TrckVal> | [1..1] | Text | | 826 |

19.1.7.6.6.5.1 TrackNumber <TrckNb>

Presence: [0..1]

Definition: Track number of the card.

Datatype: "Number" on page 1084

19.1.7.6.6.5.2 TrackFormat <TrckFrmt>

Presence: [0..1]

Definition: Card or check track format.

Datatype: "TrackFormat1Code" on page 1077

| CodeName | Name | Definition |
|----------|-----------------|---|
| AAMV | AAMVAFormat | American driver license. |
| CMC7 | CMC7CheckFormat | Magnetic Ink Character Recognition, using the CMC-7 font - ISO 1004 Line at the bottom of a check containing the bank account and the check number. |
| E13B | E13BCheckFormat | Magnetic Ink Character Recognition, using the E-13B font) Line at the bottom of a check containing the bank account and the check number. |
| ISOF | ISOFormat | ISO card track format - ISO 7813 - ISO 4909. |
| JIS1 | JISIFormat | Japanese track format I. |
| JIS2 | JISIIFormat | Japanese track format II. |

19.1.7.6.6.5.3 TrackValue <TrckVal>

Presence: [1..1]

Definition: Card track content or equivalent.

Datatype: "Max140Text" on page 1086

19.1.7.6.6.6 CheckType <ChckTp>

Presence: [0..1]

Definition: Type of the check (personal or professional).

Datatype: "CheckType1Code" on page 1038

| CodeName | Name | Definition |
|----------|-----------|------------------------------------|
| BANK | BankCheck | The check is guaranteed by a bank. |

| CodeName | Name | Definition |
|----------|-----------------|--|
| BUSI | BusinessCheck | The check belongs to a Company or a professional entity. |
| GOVC | GovernmentCheck | Check issued by Government. |
| PAYR | PayrollCheck | Check issued by a company for the employees. |
| PERS | PersonalCheck | The check belongs to an individual. |

19.1.7.6.6.7 Country <Ctry>

Presence: [0..1]

Definition: Country of the check.

Datatype: "Max3Text" on page 1089

19.1.7.6.7 StoredValueAccount <StordValAcct>

Presence: [0..*]

Definition: Store value account payment instrument.

StoredValueAccount <StordValAcct> contains the following **StoredValueAccount2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------|--------|---------|-------------|------|
| | AccountType <AcctTp> | [0..1] | CodeSet | | 827 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 828 |
| | Identification <Id> | [0..1] | Text | | 828 |
| | Brand <Brnd> | [0..1] | Text | | 829 |
| | Provider <Prvdr> | [0..1] | Text | | 829 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 829 |
| | ExpiryDate <XpryDt> | [0..1] | Text | | 829 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 829 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 830 |
| | Balance <Bal> | [0..1] | Amount | | 830 |

19.1.7.6.7.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of stored value account.

Datatype: "StoredValueAccountType1Code" on page 1073

| CodeName | Name | Definition |
|----------|--------------------|--|
| BNKA | BankPrepaidAccount | Prepaid account managed by a financial institution for low income customers. |
| CWVC | CarwashVoucher | Car wash specific account. |

| CodeName | Name | Definition |
|----------|------------------------|--|
| CPYA | CompanyPrepaidAccount | Specific prepaid account for companies or professionals expenses. |
| ELMY | ElectronicMoneyAccount | Account supporting e-money issued by an electronic money issuer. |
| GIFT | GiftCard | Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once. |
| GCER | GiftCertificate | Certificate to be given to a customer. Usually one shot voucher. |
| MLVC | MealVoucher | Meal and check voucher for restaurants. |
| OLVC | OnlineVoucher | Voucher that can be used online once or in several times. |
| MERC | MerchantAccount | Prepaid account open with a merchant or big retailers. |
| OTHR | OtherPrepaidAccount | Other non listed stored value instrument. |
| PHON | PhoneCard | Stored value instrument used to pay telephone services (e.g. card or identifier). |
| CARD | SmartCardTag | Stored value account hold on the chip of a smart card. |
| TRVL | Travel | Travel prepaid account. |

19.1.7.6.7.2 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Stored Value Account.

Datatype: ["CardIdentificationType1Code" on page 1034](#)

| CodeName | Name | Definition |
|----------|--------------------------------|--|
| ACCT | AccountNumber | Account identification. |
| BARC | BarCode | Bar-code with a specific form of identification. |
| ISO2 | ISOTrack2 | ISO Track 2 including identification. |
| PHON | PhoneNumber | A phone number identifies the account on which the phone card is assigned. |
| CPAN | PrimaryAccountNumber | Standard card identification (card number). |
| PRIV | PrivativeNumbering | An identification set by a privative application. |
| UUID | UniversalUniquelIdentification | A Universal Unique Identification code is set for identification. |

19.1.7.6.7.3 Identification <Id>

Presence: [0..1]

Definition: Identification of Stored Value Account.

Datatype: "Max35Text" on page 1088

19.1.7.6.7.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: "Max35Text" on page 1088

19.1.7.6.7.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Stored Value Account.

Datatype: "Max35Text" on page 1088

19.1.7.6.7.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: "Max45Text" on page 1089

19.1.7.6.7.7 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the account of card.

Datatype: "Max10Text" on page 1086

19.1.7.6.7.8 EntryMode <NtryMd>

Presence: [0..1]

Definition: Standard or last entry mode to access the Stored Value account or card.

Datatype: "CardDataReading8Code" on page 1033

| CodeName | Name | Definition |
|----------|--------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

19.1.7.6.7.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the Stored Value account.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.7.6.7.10 Balance <Bal>

Presence: [0..1]

Definition: Current balance of the Stored Value account.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.6.8 LoyaltyAccount <LLyAcct>

Presence: [0..*]

Definition: Store value account associated to the payment.

LoyaltyAccount <LLtyAcct> contains the following elements (see "[LoyaltyAccount3](#)" on page 907 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|---------|-------------|------|
| | LoyaltyIdentification <LLtyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

19.1.7.6.9 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Device used by the customer to perform the payment transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "[CustomerDevice3](#)" on page 911 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Identification <Id> | [0..1] | Text | | 912 |
| | Type <Tp> | [0..1] | Text | | 912 |
| | Provider <Prvdr> | [0..1] | Text | | 912 |

19.1.7.6.10 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wllt> contains the following elements (see "[CustomerDevice3](#)" on page 911 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Identification <Id> | [0..1] | Text | | 912 |
| | Type <Tp> | [0..1] | Text | | 912 |
| | Provider <Prvdr> | [0..1] | Text | | 912 |

19.1.7.6.11 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Payment token information.

PaymentToken <PmtTkn> contains the following elements (see "Token1" on page 1008 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | PaymentToken <PmtTkn> | [0..1] | Text | | 1008 |
| | TokenExpiryDate <TknXpryDt> | [0..1] | Text | | 1008 |
| | TokenRequestorIdentification <TknRqstrId> | [0..1] | Text | | 1008 |
| | TokenAssuranceData <TknAssrncData> | [0..1] | Text | | 1008 |
| | TokenAssuranceMethod <TknAssrncMtd> | [0..1] | Text | | 1009 |
| | TokenInitiatedIndicator <TknInittdlnd> | [0..1] | Indicator | | 1009 |

19.1.7.6.12 MerchantToken <MrchntTkn>

Presence: [0..1]

Definition: Merchant token information.

MerchantToken <MrchntTkn> contains the following elements (see "MerchantToken2" on page 1009 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | Token <Tkn> | [0..1] | Text | | 1009 |
| | TokenExpiryDate <TknXpryDt> | [0..1] | Text | | 1009 |
| | TokenCharacteristic <TknChrtc> | [0..*] | Text | | 1010 |
| | TokenRequestor <TknRqstr> | [0..1] | | | 1010 |
| | ProviderIdentification <PrvdrId> | [1..1] | Text | | 1010 |
| | RequestorIdentification <RqstrId> | [1..1] | Text | | 1010 |
| | TokenAssuranceLevel <TknAssrncLvl> | [0..1] | Quantity | | 1010 |
| | TokenAssuranceData <TknAssrncData> | [0..1] | Binary | | 1010 |
| | TokenAssuranceMethod <TknAssrncMtd> | [0..1] | Text | | 1010 |
| | TokenInitiatedIndicator <TknInittdlnd> | [0..1] | Indicator | | 1011 |

19.1.7.6.13 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder involved in the card payment.

Cardholder <Crdhldr> contains the following **Cardholder21** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | Identification </d> | [0..1] | | | 836 |
| | DriverLicenseNumber <DrvrlLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrlLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrlLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <SclSctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MplyeeIdNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |
| | Name <Nm> | [0..1] | Text | | 839 |
| | Language <Lang> | [0..1] | CodeSet | C6 | 839 |
| | BillingAddress <BllgAdr> | [0..1] | ± | | 840 |
| | ShippingAddress <ShppgAdr> | [0..1] | ± | | 840 |
| | TripNumber <TripNb> | [0..1] | Text | | 841 |
| | Vehicle <Vhcl> | [0..1] | ± | | 841 |
| | Authentication <Authntcn> | [0..*] | | | 842 |
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmptn> | [0..1] | CodeSet | | 845 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <Drvrid> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MployeeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInf> | [0..1] | | | 852 |
| | Identification </d> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |
| | TransactionVerificationResult <TxVrfctnRslt> | [0..*] | | | 853 |
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <Rslt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRslt> | [0..1] | Text | | 855 |
| | PersonalData <PrsnlData> | [0..1] | Text | | 856 |
| | MobileData <MobData> | [0..*] | | | 856 |
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |

19.1.7.6.13.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the cardholder involved in a transaction.

Identification <Id> contains the following **PersonIdentification15** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 836 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 836 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 837 |
| | DriverIdentification <Drvrld> | [0..1] | Text | | 837 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 837 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 837 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 837 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 837 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 837 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 837 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 838 |
| | EmployeeIdentificationNumber <MplyeeldNb> | [0..1] | Text | | 838 |
| | JobNumber <JobNb> | [0..1] | Text | | 838 |
| | Department <Dept> | [0..1] | Text | | 838 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 838 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 838 |
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |
| | Other <Othr> | [0..*] | ± | | 839 |

19.1.7.6.13.1.1 DriverLicenseNumber <DrvrLicNb>

Presence: [0..1]

Definition: Number assigned by a license authority to a driver's license.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.2 DriverLicenseLocation <DrvrLicLctn>

Presence: [0..1]

Definition: Country, state or province, issuer of the driver license.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.3 DriverLicenseName <DrvrLicNm>

Presence: [0..1]

Definition: Name or title of the driver license.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.4 DriverIdentification <DrvrlId>

Presence: [0..1]

Definition: Identification of the driver in the fleet of vehicle.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.5 CustomerNumber <CstmrNb>

Presence: [0..1]

Definition: Number assigned by an agent to identify its customer.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.6 SocialSecurityNumber <ScISctyNb>

Presence: [0..1]

Definition: Number assigned by a social security agency.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.7 AlienRegistrationNumber <AlnRegnNb>

Presence: [0..1]

Definition: Number assigned by a government agency to identify foreign nationals.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.8 PassportNumber <PsptNb>

Presence: [0..1]

Definition: Number assigned by a passport authority to a passport.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.9 TaxIdentificationNumber <TaxIdNb>

Presence: [0..1]

Definition: Number assigned by a tax authority to an entity.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.10 IdentityCardNumber <IdntyCardNb>

Presence: [0..1]

Definition: Number assigned by a national authority to an identity card.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.11 EmployerIdentificationNumber <MplyrIdNb>

Presence: [0..1]

Definition: Number assigned to an employer by a registration authority.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.1.12 EmployeeIdentificationNumber <MplyeIdNb>

Presence: [0..1]

Definition: Number assigned to an employee by a employer.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.1.13 JobNumber <JobNb>

Presence: [0..1]

Definition: Identification of the job.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.1.14 Department <Dept>

Presence: [0..1]

Definition: Identification of the department.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.1.15 EmailAddress <EmailAdr>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: ["Max256Text" on page 1087](#)

19.1.7.6.13.1.16 DateAndPlaceOfBirth <DtAndPlcOfBirth>

Presence: [0..1]

Definition: Date and place of birth of a person.

DateAndPlaceOfBirth <DtAndPlcOfBirth> contains the following **DateAndPlaceOfBirth1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------|--------|---------|-------------|------|
| | BirthDate <BirthDt> | [1..1] | Date | | 838 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 839 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 839 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 839 |

19.1.7.6.13.1.16.1 BirthDate <BirthDt>

Presence: [1..1]

Definition: Date on which a person is born.

Datatype: ["ISODate" on page 1081](#)

19.1.7.6.13.1.16.2 ProvinceOfBirth <PrvcOfBirth>

Presence: [0..1]

Definition: Province where a person was born.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.16.3 CityOfBirth <CityOfBirth>

Presence: [1..1]

Definition: City where a person was born.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.1.16.4 CountryOfBirth <CtryOfBirth>

Presence: [1..1]

Definition: Country where a person was born.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 1039

Constraints

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

19.1.7.6.13.1.17 Other <Othr>

Presence: [0..*]

Definition: Unique identification of a person, as assigned by an institution, using an identification scheme.

Other <Othr> contains the following elements (see "[GenericIdentification4](#)" on page 763 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------|--------|------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 763 |
| | IdentificationType <IdTp> | [1..1] | Text | | 763 |

19.1.7.6.13.2 Name <Nm>

Presence: [0..1]

Definition: Cardholder name associated with the card.

Datatype: "Max45Text" on page 1089

19.1.7.6.13.3 Language <Lang>

Presence: [0..1]

Definition: Language selected for the cardholder interface during the transaction.

Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.7.6.13.4 BillingAddress <BlgAdr>

Presence: [0..1]

Definition: Postal address of the owner of the payment card.

BillingAddress <BlgAdr> contains the following elements (see "[PostalAddress22](#)" on page 939 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | AddressType <AdrTp> | [0..1] | CodeSet | | 940 |
| | Department <Dept> | [0..1] | Text | | 940 |
| | SubDepartment <SubDept> | [0..1] | Text | | 940 |
| | AddressLine <AdrLine> | [0..2] | Text | | 940 |
| | StreetName <StrtNm> | [0..1] | Text | | 941 |
| | BuildingNumber <BldgNb> | [0..1] | Text | | 941 |
| | PostCode <PstCd> | [0..1] | Text | | 941 |
| | TownName <TwnNm> | [0..1] | Text | | 941 |
| | CountrySubDivision <CtrySubDvsn> | [0..2] | Text | | 941 |
| | CountryCode <CtryCd> | [0..1] | Text | | 941 |

19.1.7.6.13.5 ShippingAddress <ShppgAdr>

Presence: [0..1]

Definition: Postal address for delivery of goods or services.

ShippingAddress <ShppgAdr> contains the following elements (see "[PostalAddress22](#)" on page 939 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | AddressType <AdrTp> | [0..1] | CodeSet | | 940 |
| | Department <Dept> | [0..1] | Text | | 940 |
| | SubDepartment <SubDept> | [0..1] | Text | | 940 |
| | AddressLine <AdrLine> | [0..2] | Text | | 940 |
| | StreetName <StrtNm> | [0..1] | Text | | 941 |
| | BuildingNumber <BldgNb> | [0..1] | Text | | 941 |
| | PostCode <PstCd> | [0..1] | Text | | 941 |
| | TownName <TwnNm> | [0..1] | Text | | 941 |
| | CountrySubDivision <CtrySubDvsn> | [0..2] | Text | | 941 |
| | CountryCode <CtryCd> | [0..1] | Text | | 941 |

19.1.7.6.13.6 TripNumber <TripNb>

Presence: [0..1]

Definition: Identification of the trip.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.6.13.7 Vehicle <Vhcl>

Presence: [0..1]

Definition: Information related to the vehicle used for the transaction.

Vehicle <Vhcl> contains the following elements (see "[Vehicle1](#)" on page 925 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | VehicleNumber <VhclNb> | [0..1] | Text | | 926 |
| | TrailerNumber <TrlrNb> | [0..1] | Text | | 926 |
| | VehicleTag <VhclTag> | [0..1] | Text | | 927 |
| | VehicleTagEntryMode <VhclTagNtryMd> | [0..1] | CodeSet | | 927 |
| | UnitNumber <UnitNb> | [0..1] | Text | | 927 |
| | ReplacementCar <RplcmntCar> | [0..1] | Indicator | | 927 |
| | Odometer <Odmtr> | [0..1] | Quantity | | 927 |
| | Hubometer <Hbmtr> | [0..1] | Quantity | | 928 |
| | TrailerHours <TrlrHrs> | [0..1] | Text | | 928 |
| | ReferHours <RefrHrs> | [0..1] | Text | | 928 |
| | Maintenancelidentification <MntnclId> | [0..1] | Text | | 928 |
| | DriverOrVehicleCard <DrvrOrVhclCard> | [0..1] | | | 928 |
| | PAN <PAN> | [0..1] | Text | | 928 |
| | Track1 <Trck1> | [0..1] | Text | | 929 |
| | Track2 <Trck2> | [0..1] | Text | | 929 |
| | Track3 <Trck3> | [0..1] | Text | | 929 |
| | AdditionalCardData <AddtlCardData> | [0..*] | Text | | 929 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 929 |
| | AdditionalVehicleData <AddtlVhclData> | [0..*] | | | 930 |
| | Type <Tp> | [0..1] | Text | | 930 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 930 |
| | Data <Data> | [1..1] | Text | | 931 |

19.1.7.6.13.8 Authentication <Authntcn>

Presence: [0..*]

Definition: Method and data intended to be used for this transaction to authenticate the cardholder and its card.

Authentication <Authntcn> contains the following **CardholderAuthentication17** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | AuthenticationMethod <AuthntcnMtd> | [0..1] | CodeSet | | 844 |
| | AuthenticationExemption <AuthntcnXmptn> | [0..1] | CodeSet | | 845 |
| | AuthenticationValue <AuthntcnVal> | [0..1] | Binary | | 846 |
| | ProtectedAuthenticationValue <PrtctdAuthntcnVal> | [0..1] | ± | | 846 |
| | CardholderOnLinePIN <CrdhldrOnLinePIN> | [0..1] | | | 846 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |
| | CardholderIdentification <CrdhldrId> | [0..1] | | | 847 |
| | DriverLicenseNumber <DrvrlLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrlLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrlLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <Sc/SctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrlIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |
| | AddressVerification <AdrVrfctn> | [0..1] | | | 851 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | AddressDigits <AdrDgts> | [0..1] | Text | | 851 |
| | PostalCodeDigits <PstlCdDgts> | [0..1] | Text | | 852 |
| | AuthenticationType <AuthntcnTp> | [0..1] | Text | | 852 |
| | AuthenticationLevel <AuthntcnLvl> | [0..1] | Text | | 852 |
| | AuthenticationResult <AuthntcnRslt> | [0..1] | CodeSet | | 852 |
| | AuthenticationAdditionalInformation <AuthntcnAddtlInfo> | [0..1] | | | 852 |
| | Identification <Id> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |

19.1.7.6.13.8.1 AuthenticationMethod <AuthntcnMtd>

Presence: [0..1]

Definition: Method and data intended to be used for this transaction to authenticate the cardholder or its card.

Datatype: "AuthenticationMethod8Code" on page 1029

| CodeName | Name | Definition |
|----------|------------------------------|--|
| TOKA | AuthenticationToken | A token is used to verify an already performed authentication. |
| ADDB | BillingAddressVerification | Cardholder billing address verification. |
| BYPS | Bypass | Authentication bypassed by the merchant. |
| BIOM | Biometry | Biometric authentication of the cardholder. |
| CDHI | CardholderIdentificationData | Cardholder data provided for verification, for instance social security number, driver license number, passport number. |
| CRYP | CryptogramVerification | Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram). |
| CSCV | CSCVerification | Verification of Card Security Code. |
| MANU | ManualVerification | Manual verification, for example passport or drivers license. |
| MERC | MerchantAuthentication | Merchant-related authentication. |
| MOBL | Mobile | Customer mobile device. |
| FPIN | OfflinePIN | Off-line PIN authentication (Personal Identification Number). |
| NPIN | OnLinePIN | On-line PIN authentication (Personal Identification Number). |

| CodeName | Name | Definition |
|-----------------|-----------------------------|---|
| OTHR | Other | Other customer authentication. |
| PPSG | PaperSignature | Handwritten paper signature. |
| PSVE | PassiveAuthentication | Authentication based on statistical cardholder behaviour. |
| PSWD | Password | Authentication by a password. |
| TOKP | PaymentToken | Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token. |
| SCRT | SecureCertificate | Electronic commerce transaction secured with the X.509 certificate of a customer. |
| SCNL | SecuredChannel | Channel-encrypted transaction. |
| CSEC | SecureElectronicCommerce | Authentication performed during a secure electronic commerce transaction. |
| SNCT | SecureNoCertificate | Secure electronic transaction without cardholder certificate. |
| ADDS | ShippingAddressVerification | Cardholder shipping address verification. |
| CPSG | SignatureCapture | Electronic signature capture (handwritten signature). |
| TOKN | TokenAuthentication | Cryptogram generated by the token requestor or a customer device to validate the authorised use of a token. |
| UKNW | UnknownMethod | Authentication method is performed unknown. |

19.1.7.6.13.8.2 AuthenticationExemption <AuthntcnXmptn>

Presence: [0..1]

Definition: If Strong Customer Authentication is not mandated to process the transaction, this message element must identify the reason of exemption.

Datatype: ["Exemption1Code" on page 1043](#)

| CodeName | Name | Definition |
|-----------------|--|--|
| LOWA | LowAmountExemption | Transaction's amount is low and could be processed without strong customer authentication. |
| MINT | MerchantInitiatedTransaction | Transaction is initiated by the Card Acceptor. |
| RECP | RecurringPayment | Transaction is one of a series of recurring payment. |
| SCPE | SecureCorporatePaymentExemption | Transaction is a secure corporate payment. |
| SCAD | StrongCustomerAuthenticationDelegation | Card Acceptor is a strong customer authentication delegate. |

| CodeName | Name | Definition |
|----------|---|--|
| TRAE | TransactionRiskAnalysisExemption | According to the transaction risk analysis the strong customer authentication is not mandated. |
| PKGE | TransportFareOrParkingFeeUnattendedPaymentExemption | Payment is processed in a environment where strong customer authentication is inappropriate. |
| TMBE | TrustedMerchantBeneficiaryExemption | Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication. |

19.1.7.6.13.8.3 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Value used to authenticate the cardholder.

Datatype: "Max5000Binary" on page 1015

19.1.7.6.13.8.4 ProtectedAuthenticationValue <PrtctdAuthntcnVal>

Presence: [0..1]

Definition: Protection of the authentication value.

ProtectedAuthenticationValue <PrtctdAuthntcnVal> contains the following elements (see "ContentInformationType40" on page 989 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.7.6.13.8.5 CardholderOnLinePIN <CrdhldrOnLinePIN>

Presence: [0..1]

Definition: Encrypted personal identification number (PIN) and related information.

CardholderOnLinePIN <CrdhldrOnLinePIN> contains the following **OnLinePIN11** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|---------|-------------|------|
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 846 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 847 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 847 |

19.1.7.6.13.8.5.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see "ContentInformationType40" on page 989 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.7.6.13.8.5.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat3Code" on page 1055

| CodeName | Name | Definition |
|----------|------|--|
| ISO0 | ISO0 | PIN diversified with the card account number, conforming to the standard ISO 9564-2. |
| ISO1 | ISO1 | PIN completed with random padding characters, conforming to the standard ISO 9564-2. |
| ISO2 | ISO2 | PIN without diversification characters, conforming to the standard ISO 9564-2. |
| ISO3 | ISO3 | PIN diversified with the card account number and random characters, conforming to the standard ISO 9564-2. |
| ISO4 | ISO4 | PIN format used with AES encryption, conforming to the new ISO SC2 format. |
| ISO5 | ISO5 | Alternative PIN format used with AES encryption, conforming to the new ISO SC2 format. |

19.1.7.6.13.8.5.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 1088

19.1.7.6.13.8.6 CardholderIdentification <CrdhldrId>

Presence: [0..1]

Definition: Identification of the cardholder to verify.

CardholderIdentification <CrdhldrId> contains the following **PersonIdentification15** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | DriverLicenseNumber <DrvrLicNb> | [0..1] | Text | | 848 |
| | DriverLicenseLocation <DrvrLicLctn> | [0..1] | Text | | 848 |
| | DriverLicenseName <DrvrLicNm> | [0..1] | Text | | 848 |
| | DriverIdentification <DrvrlId> | [0..1] | Text | | 849 |
| | CustomerNumber <CstmrNb> | [0..1] | Text | | 849 |
| | SocialSecurityNumber <SclSctyNb> | [0..1] | Text | | 849 |
| | AlienRegistrationNumber <AlnRegnNb> | [0..1] | Text | | 849 |
| | PassportNumber <PsptNb> | [0..1] | Text | | 849 |
| | TaxIdentificationNumber <TaxIdNb> | [0..1] | Text | | 849 |
| | IdentityCardNumber <IdntyCardNb> | [0..1] | Text | | 849 |
| | EmployerIdentificationNumber <MplyrIdNb> | [0..1] | Text | | 849 |
| | EmployeeIdentificationNumber <MplyeeIdNb> | [0..1] | Text | | 850 |
| | JobNumber <JobNb> | [0..1] | Text | | 850 |
| | Department <Dept> | [0..1] | Text | | 850 |
| | EmailAddress <EmailAdr> | [0..1] | Text | | 850 |
| | DateAndPlaceOfBirth <DtAndPlcOfBirth> | [0..1] | | | 850 |
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |
| | Other <Othr> | [0..*] | ± | | 851 |

19.1.7.6.13.8.6.1 DriverLicenseNumber <DrvrLicNb>

Presence: [0..1]

Definition: Number assigned by a license authority to a driver's license.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.2 DriverLicenseLocation <DrvrLicLctn>

Presence: [0..1]

Definition: Country, state or province, issuer of the driver license.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.3 DriverLicenseName <DrvrLicNm>

Presence: [0..1]

Definition: Name or title of the driver license.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.4 DriverIdentification <DrvrlId>

Presence: [0..1]

Definition: Identification of the driver in the fleet of vehicle.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.5 CustomerNumber <CstmrNb>

Presence: [0..1]

Definition: Number assigned by an agent to identify its customer.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.6 SocialSecurityNumber <SclSctyNb>

Presence: [0..1]

Definition: Number assigned by a social security agency.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.7 AlienRegistrationNumber <AlnRegnNb>

Presence: [0..1]

Definition: Number assigned by a government agency to identify foreign nationals.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.8 PassportNumber <PsptNb>

Presence: [0..1]

Definition: Number assigned by a passport authority to a passport.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.9 TaxIdentificationNumber <TaxIdNb>

Presence: [0..1]

Definition: Number assigned by a tax authority to an entity.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.10 IdentityCardNumber <IdntyCardNb>

Presence: [0..1]

Definition: Number assigned by a national authority to an identity card.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.11 EmployerIdentificationNumber <MplyrIdNb>

Presence: [0..1]

Definition: Number assigned to an employer by a registration authority.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.12 EmployeeIdentificationNumber <MployeIdNb>

Presence: [0..1]

Definition: Number assigned to an employee by a employer.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.13 JobNumber <JobNb>

Presence: [0..1]

Definition: Identification of the job.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.14 Department <Dept>

Presence: [0..1]

Definition: Identification of the department.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.15 EmailAddress <EmailAdr>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: ["Max256Text" on page 1087](#)

19.1.7.6.13.8.6.16 DateAndPlaceOfBirth <DtAndPlcOfBirth>

Presence: [0..1]

Definition: Date and place of birth of a person.

DateAndPlaceOfBirth <DtAndPlcOfBirth> contains the following **DateAndPlaceOfBirth1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------|--------|---------|-------------|------|
| | BirthDate <BirthDt> | [1..1] | Date | | 850 |
| | ProvinceOfBirth <PrvcOfBirth> | [0..1] | Text | | 850 |
| | CityOfBirth <CityOfBirth> | [1..1] | Text | | 851 |
| | CountryOfBirth <CtryOfBirth> | [1..1] | CodeSet | C3 | 851 |

19.1.7.6.13.8.6.16.1 BirthDate <BirthDt>

Presence: [1..1]

Definition: Date on which a person is born.

Datatype: ["ISODate" on page 1081](#)

19.1.7.6.13.8.6.16.2 ProvinceOfBirth <PrvcOfBirth>

Presence: [0..1]

Definition: Province where a person was born.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.16.3 CityOfBirth <CityOfBirth>

Presence: [1..1]

Definition: City where a person was born.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.8.6.16.4 CountryOfBirth <CtryOfBirth>

Presence: [1..1]

Definition: Country where a person was born.

Impacted by: [C3 "Country"](#)

Datatype: ["CountryCode" on page 1039](#)

Constraints

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

19.1.7.6.13.8.6.17 Other <Othr>

Presence: [0..*]

Definition: Unique identification of a person, as assigned by an institution, using an identification scheme.

Other <Othr> contains the following elements (see ["GenericIdentification4" on page 763](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|------|-------------|------|
| | Identification < <i>Id</i> > | [1..1] | Text | | 763 |
| | IdentificationType < <i>IdTp</i> > | [1..1] | Text | | 763 |

19.1.7.6.13.8.7 AddressVerification <AdrVrfctn>

Presence: [0..1]

Definition: Numeric characters of the cardholder's billing or shipping address for verification.

AddressVerification <AdrVrfctn> contains the following **AddressVerification1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|------|-------------|------|
| | AddressDigits < <i>AdrDgts</i> > | [0..1] | Text | | 851 |
| | PostalCodeDigits < <i>PstCdDgts</i> > | [0..1] | Text | | 852 |

19.1.7.6.13.8.7.1 AddressDigits <AdrDgts>

Presence: [0..1]

Definition: Numeric characters from the cardholder's address excluding the postal code (that is street number).

Datatype: ["Max5NumericText" on page 1089](#)

19.1.7.6.13.8.7.2 PostalCodeDigits <PstlCdDgts>

Presence: [0..1]

Definition: Numeric characters from the cardholder's postal code.

Datatype: "[Max5NumericText](#)" on page 1089

19.1.7.6.13.8.8 AuthenticationType <AuthntcnTp>

Presence: [0..1]

Definition: Type of authentication for a given method - e.g. three-domain authentication, scheme-proprietary authentication, etc.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.6.13.8.9 AuthenticationLevel <AuthntcnLvl>

Presence: [0..1]

Definition: Level of authentication for a given type - e.g. value assigned by scheme rules or by bilateral agreements.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.6.13.8.10 AuthenticationResult <AuthntcnRslt>

Presence: [0..1]

Definition: Result of authentication.

Datatype: "[AuthenticationResult1Code](#)" on page 1030

| CodeName | Name | Definition |
|----------|----------------------|--|
| DENY | Denial | The authentication didn't succeed. |
| MRCH | MerchantNotEnroled | Merchant not enrolled in the authentication programme. |
| CARD | NonParticipation | The card does not participate in the authentication programme. |
| AUTH | UnableToAuthenticate | The authentication couldn't be carried out. |
| CRPT | WithCryptogram | Authentication succeeded with a cryptogram. |
| UCRP | WithoutCryptogram | Authentication succeeded without a cryptogram. |

19.1.7.6.13.8.11 AuthenticationAdditionalInformation <AuthntcnAddtlInf>

Presence: [0..1]

Definition: Additional information related to the result of the authentication.

AuthenticationAdditionalInformation <AuthntcnAddtlInfo> contains the following **ExternallyDefinedData5** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|--------|-------------|------|
| | Identification </d> | [1..1] | Text | | 853 |
| | Value <Val> | [0..1] | Binary | | 853 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 853 |
| | Type <Tp> | [0..1] | Text | | 853 |

19.1.7.6.13.8.11.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: ["Max1025Text" on page 1085](#)

19.1.7.6.13.8.11.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: ["Max100KBinary" on page 1014](#)

19.1.7.6.13.8.11.3 ProtectedValue <PrtctdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrtctdVal> contains the following elements (see ["ContentInformationType39" on page 992](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntrTp> | [1..1] | CodeSet | | 992 |
| | EnvelopedData <EnvlpdData> | [0..1] | ± | | 992 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 994 |
| | SignedData <SgnrdData> | [0..1] | ± | | 995 |
| | DigestedData <DgstdData> | [0..1] | ± | | 996 |

19.1.7.6.13.8.11.4 Type <Tp>

Presence: [0..1]

Definition: Identification of the standard used to encode the values to exchange.

Datatype: ["Max1025Text" on page 1085](#)

19.1.7.6.13.9 TransactionVerificationResult <TxVrfctnRslt>

Presence: [0..*]

Definition: Result of performed verifications for the transaction.

TransactionVerificationResult <TxVrfctnRsIt> contains the following
TransactionVerificationResult4 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------|--------|---------|-------------|------|
| | Method <Mtd> | [1..1] | CodeSet | | 854 |
| | VerificationEntity <VrfctnNtty> | [0..1] | CodeSet | | 855 |
| | Result <RsIt> | [0..1] | CodeSet | | 855 |
| | AdditionalResult <AddtlRsIt> | [0..1] | Text | | 855 |

19.1.7.6.13.9.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: ["AuthenticationMethod6Code" on page 1028](#)

| CodeName | Name | Definition |
|----------|------------------------------|--|
| NPIN | OnLinePIN | On-line PIN authentication (Personal Identification Number). |
| PPSG | PaperSignature | Handwritten paper signature. |
| PSWD | Password | Authentication by a password. |
| SCRT | SecureCertificate | Electronic commerce transaction secured with the X.509 certificate of a customer. |
| SCNL | SecuredChannel | Channel-encrypted transaction. |
| SNCT | SecureNoCertificate | Secure electronic transaction without cardholder certificate. |
| CPSG | SignatureCapture | Electronic signature capture (handwritten signature). |
| ADDB | BillingAddressVerification | Cardholder billing address verification. |
| BIOM | Biometry | Biometric authentication of the cardholder. |
| CDHI | CardholderIdentificationData | Cardholder data provided for verification, for instance social security number, driver license number, passport number. |
| CRYP | CryptogramVerification | Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram). |
| CSCV | CSCVerification | Verification of Card Security Code. |
| PSVE | PassiveAuthentication | Authentication based on statistical cardholder behaviour. |
| CSEC | SecureElectronicCommerce | Authentication performed during a secure electronic commerce transaction. |
| ADDS | ShippingAddressVerification | Cardholder shipping address verification. |
| MANU | ManualVerification | Manual verification, for example passport or drivers license. |

| CodeName | Name | Definition |
|----------|--------------|---|
| FPIN | OfflinePIN | Off-line PIN authentication (Personal Identification Number). |
| TOKP | PaymentToken | Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token. |

19.1.7.6.13.9.2 VerificationEntity <VrfctnNtly>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1027

| CodeName | Name | Definition |
|----------|-----------------|---|
| ICCD | ICC | Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification. |
| AGNT | AuthorisedAgent | Authorisation agent of the issuer. |
| MERC | Merchant | Merchant (for example signature verification by the attendant). |
| ACQR | Acquirer | Acquirer of the transaction. |
| ISSR | Issuer | Card issuer. |
| TRML | Terminal | Secure application in the terminal. |

19.1.7.6.13.9.3 Result <RsIt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1081

| CodeName | Name | Definition |
|----------|----------------|---|
| FAIL | Failed | Verification failed. |
| MISS | Missing | Information required to perform the verification was missing. |
| NOVF | NotPerformed | Verification has not been performed. |
| PART | PartialMatch | Verification was partially successful. |
| SUCC | Successful | Verification was successful. |
| ERRR | TechnicalError | Device or entity to perform the verification was unavailable. |

19.1.7.6.13.9.4 AdditionalResult <AddtlRsIt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1089

19.1.7.6.13.10 PersonalData <PrsnlData>

Presence: [0..1]

Definition: Identifies personal data related to the cardholder.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.6.13.11 MobileData <MobData>

Presence: [0..*]

Definition: Data related to the mobile of stakeholder.

MobileData <MobData> contains the following **MobileData6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|------|-------------|------|
| | MobileCountryCode <MobCtryCd> | [0..1] | Text | | 856 |
| | MobileNetworkCode <MobNtwkCd> | [0..1] | Text | | 856 |
| | MobileMaskedMSISDN <MobMskdMSISDN> | [0..1] | Text | | 857 |
| | Geolocation <Glctn> | [0..1] | | | 857 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |
| | SensitiveMobileData <SnstvMobData> | [0..1] | | | 858 |
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |
| | ProtectedMobileData <PrtctdMobData> | [0..1] | ± | | 859 |

19.1.7.6.13.11.1 MobileCountryCode <MobCtryCd>

Presence: [0..1]

Definition: Identifies the country of a mobile phone operator.

Datatype: ["Min2Max3AlphaText" on page 1091](#)

19.1.7.6.13.11.2 MobileNetworkCode <MobNtwkCd>

Presence: [0..1]

Definition: Identifies the mobile phone operator inside a country.

Datatype: ["Min2Max3NumericText" on page 1091](#)

19.1.7.6.13.11.3 MobileMaskedMSISDN <MobMskdMSISDN>

Presence: [0..1]

Definition: Masked Mobile Subscriber Integrated Service Digital Network.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.11.4 Geolocation <Glctn>

Presence: [0..1]

Definition: Geographic location specified by geographic or UTM coordinates.

Geolocation <Glctn> contains the following **Geolocation1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|------|-------------|------|
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 857 |
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 858 |
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |

19.1.7.6.13.11.4.1 GeographicCoordinates <GeogcCordints>

Presence: [0..1]

Definition: Geographic location specified by geographic coordinates.

GeographicCoordinates <GeogcCordints> contains the following **GeolocationGeographicCoordinates1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Latitude <Lat> | [1..1] | Text | | 857 |
| | Longitude <Long> | [1..1] | Text | | 857 |

19.1.7.6.13.11.4.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Angular distance of a location on the earth south or north of the equator.

The latitude is measured in degrees, minutes and seconds, following by "N" for the north and "S" for the south of the equator. For example: 48°51'29" N the Eiffel Tower latitude.

Datatype: "Max35Text" on page 1088

19.1.7.6.13.11.4.1.2 Longitude <Long>

Presence: [1..1]

Definition: Angular measurement of the distance of a location on the earth east or west of the Greenwich observatory.

The longitude is measured in degrees, minutes and seconds, following by "E" for the east and "W" for the west. For example: 23°27'30" E.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.11.4.2 UTMCoordinates <UTMCordints>

Presence: [0..1]

Definition: Geographic location specified by UTM coordinates.

UTMCoordinates <UTMCordints> contains the following **GeolocationUTMCoordinates1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------|--------|------|-------------|------|
| | UTMZone <UTMZone> | [1..1] | Text | | 858 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 858 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 858 |

19.1.7.6.13.11.4.2.1 UTMZone <UTMZone>

Presence: [1..1]

Definition: UTM grid zone combination of the longitude zone (1 to 60) and the latitude band (C to X, excluding I and O).

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.11.4.2.2 UTMEastward <UTMEstwrd>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator

coordinate system.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.11.4.2.3 UTMNorthward <UTMNrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator

coordinate system.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.6.13.11.5 SensitiveMobileData <SnstvMobData>

Presence: [0..1]

Definition: Sensitive information related to the mobile phone.

SensitiveMobileData <SnstvMobData> contains the following **SensitiveMobileData1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | MSISDN <MSISDN> | [1..1] | Text | | 859 |
| | IMSI <IMSI> | [0..1] | Text | | 859 |
| | IMEI <IMEI> | [0..1] | Text | | 859 |

19.1.7.6.13.11.5.1 MSISDN <MSISDN>

Presence: [1..1]

Definition: identifies the mobile - Mobile Subscriber Integrated Service Digital Network (The SIM identifier).

Datatype: "Max35NumericText" on page 1088

19.1.7.6.13.11.5.2 IMSI <IMSI>

Presence: [0..1]

Definition: International Mobile Subscriber Identity is a unique number associated with the mobile phone user, containing the Mobile Country Code (MCC), the Mobile Network Code (MNC), and the Mobile Identification Number (MSIN).

Datatype: "Max35NumericText" on page 1088

19.1.7.6.13.11.5.3 IMEI <IMEI>

Presence: [0..1]

Definition: International Mobile Equipment Identity is a number usually unique to identify a mobile phone.

Datatype: "Max35NumericText" on page 1088

19.1.7.6.13.11.6 ProtectedMobileData <PrtctdMobData>

Presence: [0..1]

Definition: Sensitive information related to the mobile phone, protected by CMS.

ProtectedMobileData <PrtctdMobData> contains the following elements (see "ContentInformationType40" on page 989 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.7.6.14 ProtectedCardholderData <PrtctdCrdhldrData>

Presence: [0..1]

Definition: Replacement of the message element Cardholder by a digital envelope using a cryptographic key.

ProtectedCardholderData <PrtctdCrdhldrData> contains the following elements (see "ContentInformationType40" on page 989 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.7.6.15 SaleEnvironment <SaleEnvt>

Presence: [0..1]

Definition: Sale Retailer Environment for this message.

SaleEnvironment <SaleEnvt> contains the following **RetailerSaleEnvironment2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | SaleCapabilities <SaleCpbilities> | [0..*] | CodeSet | | 860 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 861 |
| | MinimumAmountToDeliver <MinAmtToDlvr> | [0..1] | Amount | | 861 |
| | MaximumCashBackAmount <MaxCshBckAmt> | [0..1] | Amount | | 861 |
| | MinimumSplitAmount <MinSpltAmt> | [0..1] | Amount | | 862 |
| | DebitPreferredFlag <DbtPrefrdFlg> | [0..1] | Indicator | | 862 |
| | LoyaltyHandling <LtyHdlg> | [0..1] | CodeSet | | 862 |

19.1.7.6.15.1 SaleCapabilities <SaleCpbilities>

Presence: [0..*]

Definition: Capabilities of the Sale system.

Datatype: "SaleCapabilities1Code" on page 1071

| CodeName | Name | Definition |
|----------|----------------|--|
| CHDI | CashierDisplay | Standard Cashier display interface (to ask question, or to show information). |
| CHER | CashierError | To display to the Cashier information related to an error situation occurring on the POI. |
| CHIN | CashierInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). The output device attached to this input device is the CashierDisplay device. |
| CHST | CashierStatus | To display to the Cashier a new state on which the POI is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer. |

| CodeName | Name | Definition |
|----------|--------------------|--|
| CUDI | CustomerDisplay | Standard Customer display interface used by the POI System to ask question, or to show information to the Customer inside a Service dialogue. |
| CUAS | CustomerAssistance | Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer. |
| CUER | CustomerError | To display to the Customer information is related to an error situation occurring on the Sale Terminal during a Sale transaction. |
| CUIN | CustomerInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). |
| POIR | POIReplication | Information displayed on the Cardholder POI interface, replicated on the Cashier interface. |
| PRDC | PrinterDocument | When the POI System wants to print specific document (check, dynamic currency conversion ...). |
| PRRP | PrinterReceipt | Printer for the Payment receipt. |
| PRVC | PrinterVoucher | Coupons, voucher or special ticket generated by the POI and to be printed. |

19.1.7.6.15.2 Currency <Ccy>

Presence: [0..1]

Definition: Default currency associated with the sale system.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.7.6.15.3 MinimumAmountToDeliver <MinAmtToDlvr>

Presence: [0..1]

Definition: Minimum amount the Sale System is allowed to deliver for this payment.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.6.15.4 MaximumCashBackAmount <MaxCshBckAmt>

Presence: [0..1]

Definition: Maximum amount which could be requested for cash-back.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.6.15.5 MinimumSplitAmount <MinSpltAmt>

Presence: [0..1]

Definition: Minimum amount to split a sale transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1013

19.1.7.6.15.6 DebitPreferredFlag <DbtPrefrdFlg>

Presence: [0..1]

Definition: Flag if preferred type of payment is a debit transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.6.15.7 LoyaltyHandling <LityHdlg>

Presence: [0..1]

Definition: Way of Loyalty handling.

Datatype: "LoyaltyHandling1Code" on page 1049

| CodeName | Name | Definition |
|----------|-----------|---|
| ALLO | Allowed | The loyalty is accepted, but the POI has not to require or ask a loyalty card. The loyalty is involved by the payment card (e.g. an hybrid or linked card). |
| DENY | Forbidden | No loyalty card to read and loyalty transaction to process. Any attempt to enter a pure loyalty card is rejected. |
| PRCS | Processed | The loyalty transaction is already processed, no loyalty card or loyalty transaction to process. |
| PROP | Proposed | The loyalty is accepted, and the POI has to ask a loyalty card. If the Customer does not enter a loyalty card, no loyalty transaction is realised. |
| REQU | Required | The loyalty is required, and the POI refuses the processing of the message request if the cardholder does not enter a loyalty card. |

19.1.7.7 ActionMessage11

Definition: Information to display, print or store.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | MessageDestination <MsgDstn> | [1..1] | CodeSet | | 863 |
| | InformationQualifier <InfQlfr> | [0..1] | CodeSet | | 863 |
| | Format <Frmt> | [0..1] | CodeSet | | 864 |
| | MessageContent <MsgCntr> | [0..1] | Text | | 865 |
| | MessageContentSignature <MsgCntrSgntr> | [0..1] | ± | | 865 |
| | OutputBarcode <OutptBrccd> | [0..1] | | | 865 |
| | BarcodeType <BrccdTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrccdVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCodeBinryVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCodeVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCodeNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCodeErrCrctn> | [0..1] | CodeSet | | 866 |
| | ResponseRequiredFlag <RspnReqrdFlg> | [0..1] | Indicator | | 867 |
| | MinimumDisplayTime <MinDispTm> | [0..1] | Quantity | | 867 |

19.1.7.7.1 MessageDestination <MsgDstn>

Presence: [1..1]

Definition: Destination of the message.

Datatype: "UserInterface4Code" on page 1081

| CodeName | Name | Definition |
|----------|--------------------------|---|
| CDSP | CardholderDisplay | Cardholder display or interface. |
| CRCP | CardholderReceipt | Cardholder receipt. |
| MDSP | MerchantDisplay | Merchant display or interface. |
| MRCP | MerchantReceipt | Merchant receipt. |
| CRDO | OtherCardholderInterface | Other interface of the cardholder, for instance e-mail or smartphone message. |

19.1.7.7.2 InformationQualifier <InfQlfr>

Presence: [0..1]

Definition: Qualification of the information to sent to an output logical device.

Datatype: "InformationQualify1Code" on page 1045

| CodeName | Name | Definition |
|----------|--------------------|---|
| CUSA | CustomerAssistance | Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer. |

| CodeName | Name | Definition |
|-----------------|----------------|--|
| DISP | Display | Standard display interface. |
| DOCT | Document | When the POI System wants to print specific document (check, dynamic currency conversion ...). Used by the Sale System when the printer is not located on the Sale System. |
| ERRO | Error | The information is related to an error situation occurring on the message sender. |
| INPT | Input | Answer to a question or information to be entered by the Cashier or the Customer, at the request of the POI Terminal or the Sale Terminal. |
| POIR | POIReplication | Information displayed on the Cardholder POI interface, replicated on the Cashier interface. |
| RCPT | Receipt | Where you print the Payment receipt that could be located on the Sale System or in some cases a restricted Sale ticket on the POI Terminal. |
| SOND | Sound | Standard sound interface. |
| STAT | Status | The information is a new state on which the message sender is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer. |
| VCHR | Voucher | Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed. |

19.1.7.7.3 Format <Frmt>

Presence: [0..1]

Definition: Message format.

Datatype: ["OutputFormat3Code" on page 1052](#)

| CodeName | Name | Definition |
|-----------------|------------------|---|
| BARC | Barcode | Barcode to output in several possible format. |
| MENT | MenuEntry | A text to display as a menu before requesting an input. |
| MREF | MessageReference | Predefined configured messages, identified by a reference. |
| SREF | ScreenReference | Screen to display identified by a reference. |
| TEXT | SimpleText | Text without format attributes. |
| HTML | XHTML | XHTML document which includes a subset of the XHTML output tag. |

19.1.7.7.4 MessageContent <MsgCntr>

Presence: [0..1]

Definition: Content or reference of the message.

Datatype: "Max20000Text" on page 1087

19.1.7.7.5 MessageContentSignature <MsgCntrSgntr>

Presence: [0..1]

Definition: Digital signature of the message.

MessageContentSignature <MsgCntrSgntr> contains the following elements (see "ContentInformationType38" on page 997 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

19.1.7.7.6 OutputBarcode <OutptBrcd>

Presence: [0..1]

Definition: Content of message displayed or printed as Barcode.

OutputBarcode <OutptBrcd> contains the following **OutputBarcode2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|---------|-------------|------|
| | BarcodeType <BrctTp> | [1..1] | CodeSet | | 865 |
| | BarcodeValue <BrctVal> | [0..1] | Text | | 866 |
| | QRCodeBinaryValue <QRCdBinnyVal> | [0..1] | Binary | | 866 |
| | QRCodeVersion <QRCdVrsn> | [0..1] | Text | | 866 |
| | QRCodeEncodingMode <QRCdNcdgMd> | [0..1] | CodeSet | | 866 |
| | QRCodeErrorCorrection <QRCdErrCrctn> | [0..1] | CodeSet | | 866 |

19.1.7.7.6.1 BarcodeType <BrctTp>

Presence: [1..1]

Definition: Type of Barcode coding.

Datatype: "BarcodeType1Code" on page 1030

| CodeName | Name | Definition |
|----------|--------------------------|--|
| COQR | BarcodeEncodedAs2DQRCode | Barcode encoded according to the 2Dimensions Quick Response Code Standard. |
| C128 | BarcodeEncodedAsCode128 | Barcode encoded according to the Code 128 standard. |

| CodeName | Name | Definition |
|----------|------------------------|--|
| C025 | BarcodeEncodedAsCode25 | Barcode encoded according to the Code 25 standard. |
| C039 | BarcodeEncodedAsCode39 | Barcode encoded according to the Code 39 standard. |
| EA13 | BarcodeEncodedAsEA13 | Barcode encoded according to the EAN13 standard. |
| EAN8 | BarcodeEncodedAsEAN8 | Barcode encoded according to the EAN8 standard. |
| P417 | BarcodeEncodedAsPDF417 | Barcode encoded according to the PDF417 standard. |
| UPCA | BarcodeEncodedAsUPCA | Barcode encoded according to the UPCA standard. |

19.1.7.7.6.2 BarcodeValue <BrcdVal>

Presence: [0..1]

Definition: Value with a Barcode coding.

Datatype: ["Max8000Text" on page 1090](#)

19.1.7.7.6.3 QRCodeBinaryValue <QRCdBinryVal>

Presence: [0..1]

Definition: Use for binary and Kanji Quick Response Code.

Datatype: ["Max3000Binary" on page 1015](#)

19.1.7.7.6.4 QRCodeVersion <QRCdVrsn>

Presence: [0..1]

Definition: Version of the Quick Response Code.

Datatype: ["Max16Text" on page 1086](#)

19.1.7.7.6.5 QRCodeEncodingMode <QRCdNcodgMd>

Presence: [0..1]

Definition: Encoding Mode of Quick Response Code.

Datatype: ["QRCodeEncodingMode1Code" on page 1059](#)

| CodeName | Name | Definition |
|----------|--------------|--|
| ALFA | Alphanumeric | Alphanumeric value provided in Barcode field. |
| BINA | Binary | Binary value provided in Quick Response Code Binary Value. |
| KANJ | Kanji | Kanji value provided in Quick Response Code Binary Value. |
| NUME | Numeric | Numeric value provided in Barcode field. |

19.1.7.7.6.6 QRCodeErrorCorrection <QRCdErrCrrctn>

Presence: [0..1]

Definition: Error Correction mode of Quick Response Code.

Datatype: "QRCodeErrorCorrection1Code" on page 1059

| CodeName | Name | Definition |
|----------|--------------------------|-----------------------------------|
| M015 | ErrorCorrection15Percent | Reed-Solomon error correction 15% |
| Q025 | ErrorCorrection25Percent | Reed-Solomon error correction 25% |
| H030 | ErrorCorrection30Percent | Reed-Solomon error correction 30% |
| L007 | ErrorCorrection7Percent | Reed-Solomon error correction 7% |

19.1.7.7.7 ResponseRequiredFlag <RspnReqrdFlg>

Presence: [0..1]

Definition: Flag to request a message response.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.7.8 MinimumDisplayTime <MinDispTm>

Presence: [0..1]

Definition: Number of seconds the message has to be displayed.

Datatype: "Number" on page 1084

19.1.7.8 PointOfInteractionComponent15

Definition: Data related to a component of the POI (Point Of Interaction) performing the transaction.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Type < <i>Tp</i> > | [1..1] | CodeSet | | 869 |
| | SubTypeInformation < <i>SubTpInf</i> > | [0..1] | Text | | 870 |
| | Identification < <i>Id</i> > | [1..1] | | | 871 |
| | ItemNumber < <i>ItmNb</i> > | [0..1] | Text | | 871 |
| | ProviderIdentification < <i>PrvdrId</i> > | [0..1] | Text | | 871 |
| | Identification < <i>Id</i> > | [0..1] | Text | | 871 |
| | SerialNumber < <i>SrlNb</i> > | [0..1] | Text | | 871 |
| | Status < <i>Sts</i> > | [0..1] | | | 871 |
| | VersionNumber < <i>VrsnNb</i> > | [0..1] | Text | | 872 |
| | Status < <i>Sts</i> > | [0..1] | CodeSet | | 872 |
| | ExpiryDate < <i>XpryDt</i> > | [0..1] | Date | | 872 |
| | StandardCompliance < <i>StdCmplc</i> > | [0..*] | | | 872 |
| | Identification < <i>Id</i> > | [1..1] | Text | | 872 |
| | Version < <i>Vrsn</i> > | [1..1] | Text | | 873 |
| | Issuer < <i>Issr</i> > | [1..1] | Text | | 873 |
| | Characteristics < <i>Chrtcs</i> > | [0..1] | | | 873 |
| | Memory < <i>Mmry</i> > | [0..*] | | | 874 |
| | Identification < <i>Id</i> > | [1..1] | Text | | 875 |
| | TotalSize < <i>TtlSz</i> > | [1..1] | Quantity | | 875 |
| | FreeSize < <i>FreeSz</i> > | [1..1] | Quantity | | 875 |
| | Unit < <i>Unit</i> > | [1..1] | CodeSet | | 875 |
| | Communication < <i>Com</i> > | [0..*] | | | 875 |
| | CommunicationType < <i>ComTp</i> > | [1..1] | CodeSet | | 876 |
| | RemoteParty < <i>RmotPty</i> > | [1..*] | CodeSet | | 877 |
| | Active < <i>Actv</i> > | [1..1] | Indicator | | 877 |
| | Parameters < <i>Params</i> > | [0..1] | ± | | 877 |
| | PhysicalInterface < <i>PhysIntrfc</i> > | [0..1] | | | 878 |
| | InterfaceName < <i>IntrfcNm</i> > | [1..1] | Text | | 878 |
| | InterfaceType < <i>IntrfcTp</i> > | [0..1] | CodeSet | | 878 |
| | UserName < <i>UsrNm</i> > | [0..1] | Text | | 879 |
| | AccessCode < <i>AccsCd</i> > | [0..1] | Binary | | 879 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 879 |
| | AdditionalParameters <AddtlParams> | [0..1] | Binary | | 879 |
| | SecurityAccessModules <SctyAccsMdls> | [0..1] | Quantity | | 880 |
| | SubscriberIdentityModules <SbcbrldntyMdls> | [0..1] | Quantity | | 880 |
| | SecurityElement <SctyElmt> | [0..*] | ± | | 880 |
| | Assessment <Assmnt> | [0..*] | | | 881 |
| | Type <Tp> | [1..1] | CodeSet | | 882 |
| | Assigner <Assgnr> | [1..*] | Text | | 882 |
| | DeliveryDate <DlvryDt> | [0..1] | DateTime | | 882 |
| | ExpirationDate <XprtnDt> | [0..1] | DateTime | | 882 |
| | Number <Nb> | [1..1] | Text | | 882 |
| | Package <Packg> | [0..*] | | | 883 |
| | PackagelIdentification <PackgId> | [0..1] | ± | | 883 |
| | PackageLength <PackgLngh> | [0..1] | Quantity | | 883 |
| | OffsetStart <OffsetStart> | [0..1] | Quantity | | 883 |
| | OffsetEnd <OffsetEnd> | [0..1] | Quantity | | 884 |
| | PackageBlock <PackgBlck> | [0..*] | | | 884 |
| | Identification <Id> | [1..1] | Text | | 884 |
| | Value <Val> | [0..1] | Binary | | 884 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 884 |
| | Type <Tp> | [0..1] | Text | | 885 |

19.1.7.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of component belonging to a POI (Point Of Interaction) Terminal.

Datatype: "[POIComponentType6Code](#)" on page 1058

| CodeName | Name | Definition |
|----------|----------------------------|--|
| AQPP | AcquirerProtocolParameters | Parameters for acquirer interface of the point of interaction, including acquirer host configuration parameters. |
| APPR | ApplicationParameters | Parameters of a payment application running on the point of interaction. |
| TLPR | TerminalParameters | Manufacturer configuration parameters of the point of interaction. |

| CodeName | Name | Definition |
|----------|-----------------------------|--|
| SCPR | SecurityParameters | Security parameters of the point of interaction. |
| SERV | Server | Payment server of a point of interaction system. |
| TERM | Terminal | Payment terminal point of interaction. |
| DVCE | Device | Device sub-component of a component of the point of interaction. |
| SECM | SecureModule | Security module. |
| APLI | PaymentApplication | Payment application software. |
| EMVK | EMVKernel | EMV application kernel (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa). |
| EMVO | EMVLevel1 | EMV physical interface (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa). |
| MDWR | Middleware | Software module of the point of interaction. |
| DRVR | Driver | Driver module of the point of interaction. |
| OPST | OperatingSystem | Software that manages hardware to provide common services to the applications. |
| MRPR | MerchantParameters | Merchant configuration parameters for the point of interaction (POI). |
| CRTF | CertificateParameters | Certificate provided by a terminal manager. |
| TMSP | TMSProtocolParameters | Configuration parameters for the TMS protocol. |
| SACP | SaleComponent | Component of the Sale system. |
| SAPR | SaleToPOIProtocolParameters | Parameters related to the Sale to POI protocol. |
| LOGF | LogFile | Any repository used for recording log traces. |
| MDFL | MediaFile | Media file managed by an application of the POI. |
| SOFT | Soft | Payment or other software application. |
| CONF | ConfigurationFile | Configuration file relevant for the POI. |
| RPFL | ReportFile | Report file generated by the POI. |

19.1.7.8.2 SubTypeInformation <SubTpInf>

Presence: [0..1]

Definition: Additional information regarding the type of the component.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.8.3 Identification <Id>

Presence: [1..1]

Definition: Identification of the POI (Point Of Interaction) component.

Identification <Id> contains the following **PointOfInteractionComponentIdentification2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|------|-------------|------|
| | ItemNumber <ItmNb> | [0..1] | Text | | 871 |
| | ProviderIdentification <PrvdrId> | [0..1] | Text | | 871 |
| | Identification <Id> | [0..1] | Text | | 871 |
| | SerialNumber <SrINb> | [0..1] | Text | | 871 |

19.1.7.8.3.1 ItemNumber <ItmNb>

Presence: [0..1]

Definition: Hierarchical identification of a hardware component inside all the hardware component of the POI. It is composed of all item numbers of the upper level components, separated by the '.' character, ended by the item number of the current component.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.8.3.2 ProviderIdentification <PrvdrId>

Presence: [0..1]

Definition: Identifies the provider of the software, hardware or parameters of the POI component.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.8.3.3 Identification <Id>

Presence: [0..1]

Definition: Identification of the POI component assigned by its provider.

Datatype: ["Max256Text" on page 1087](#)

19.1.7.8.3.4 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number identifying an occurrence of an hardware component.

Datatype: ["Max256Text" on page 1087](#)

19.1.7.8.4 Status <Sts>

Presence: [0..1]

Definition: Status of the POI (Point Of Interaction) component.

Status <Sts> contains the following **PointOfInteractionComponentStatus3** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | VersionNumber <VrsnNb> | [0..1] | Text | | 872 |
| | Status <Sts> | [0..1] | CodeSet | | 872 |
| | ExpiryDate <XpryDt> | [0..1] | Date | | 872 |

19.1.7.8.4.1 VersionNumber <VrsnNb>

Presence: [0..1]

Definition: Current version of the component that might include the release number.

Datatype: ["Max256Text" on page 1087](#)

19.1.7.8.4.2 Status <Sts>

Presence: [0..1]

Definition: Current status of the component.

Datatype: ["POIComponentStatus1Code" on page 1057](#)

| CodeName | Name | Definition |
|----------|-------------------|---------------------------------------|
| WAIT | WaitingActivation | Component not yet activated. |
| OUTD | OutOfOrder | Component not working properly. |
| OPER | InOperation | Component activated and in operation. |
| DACT | Deactivated | Component has been deactivated. |

19.1.7.8.4.3 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiration date of the component.

Datatype: ["ISODate" on page 1081](#)

19.1.7.8.5 StandardCompliance <StdCmplc>

Presence: [0..*]

Definition: Identification of the standard for which the component complies with.

StandardCompliance <StdCmplc> contains the following **GenericIdentification48** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 872 |
| | Version <Vrsn> | [1..1] | Text | | 873 |
| | Issuer <Issr> | [1..1] | Text | | 873 |

19.1.7.8.5.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 1088

19.1.7.8.5.2 Version <Vrsn>

Presence: [1..1]

Definition: Version of the identification.

Datatype: "Max35Text" on page 1088

19.1.7.8.5.3 Issuer <Issr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 1088

19.1.7.8.6 Characteristics <Chrtcs>

Presence: [0..1]

Definition: Characteristics of a POI (Point Of Interaction) component.

Characteristics <Chrtcs> contains the following **PointOfInteractionComponentCharacteristics10** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | Memory <Mmry> | [0..*] | | | 874 |
| | Identification <Id> | [1..1] | Text | | 875 |
| | TotalSize <TtlSz> | [1..1] | Quantity | | 875 |
| | FreeSize <FreeSz> | [1..1] | Quantity | | 875 |
| | Unit <Unit> | [1..1] | CodeSet | | 875 |
| | Communication <Com> | [0..*] | | | 875 |
| | CommunicationType <ComTp> | [1..1] | CodeSet | | 876 |
| | RemoteParty <RmtPty> | [1..*] | CodeSet | | 877 |
| | Active <Actv> | [1..1] | Indicator | | 877 |
| | Parameters <Params> | [0..1] | ± | | 877 |
| | PhysicalInterface <PhysIntrfc> | [0..1] | | | 878 |
| | InterfaceName <IntrfcNm> | [1..1] | Text | | 878 |
| | InterfaceType <IntrfcTp> | [0..1] | CodeSet | | 878 |
| | UserName <UsrNm> | [0..1] | Text | | 879 |
| | AccessCode <AccsCd> | [0..1] | Binary | | 879 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 879 |
| | AdditionalParameters <AddtlParams> | [0..1] | Binary | | 879 |
| | SecurityAccessModules <SctyAccsMdls> | [0..1] | Quantity | | 880 |
| | SubscriberIdentityModules <SbcbrldntyMdls> | [0..1] | Quantity | | 880 |
| | SecurityElement <SctyElmt> | [0..*] | ± | | 880 |

19.1.7.8.6.1 Memory <Mmry>

Presence: [0..*]

Definition: Memory characteristics of the component.

Memory <Mmry> contains the following **MemoryCharacteristics1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 875 |
| | TotalSize <TtlSz> | [1..1] | Quantity | | 875 |
| | FreeSize <FreeSz> | [1..1] | Quantity | | 875 |
| | Unit <Unit> | [1..1] | CodeSet | | 875 |

19.1.7.8.6.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification or name of the memory.

Datatype: "Max35Text" on page 1088

19.1.7.8.6.1.2 TotalSize <TtlSz>

Presence: [1..1]

Definition: Total size of the memory unit.

Datatype: "DecimalNumber" on page 1084

19.1.7.8.6.1.3 FreeSize <FreeSz>

Presence: [1..1]

Definition: Total size of the available memory.

Datatype: "DecimalNumber" on page 1084

19.1.7.8.6.1.4 Unit <Units>

Presence: [1..1]

Definition: Memory unit of the sizes.

Datatype: "MemoryUnit1Code" on page 1050

| CodeName | Name | Definition |
|----------|----------|------------|
| BYTE | Byte | Byte. |
| EXAB | ExaByte | Exa byte. |
| GIGA | GigaByte | Giga byte. |
| KILO | KiloByte | Kilo byte. |
| MEGA | MegaByte | Mega byte. |
| PETA | PetaByte | Peta byte. |
| TERA | TeraByte | Tera byte. |

19.1.7.8.6.2 Communication <Com>

Presence: [0..*]

Definition: Low level communication of the hardware or software component toward another component or an external entity.

Communication <Com> contains the following **CommunicationCharacteristics5** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|-----------|-------------|------|
| | CommunicationType <ComTp> | [1..1] | CodeSet | | 876 |
| | RemoteParty <RmotPty> | [1..*] | CodeSet | | 877 |
| | Active <Actv> | [1..1] | Indicator | | 877 |
| | Parameters <Params> | [0..1] | ± | | 877 |
| | PhysicalInterface <PhysIntrfc> | [0..1] | | | 878 |
| | InterfaceName <IntrfcNm> | [1..1] | Text | | 878 |
| | InterfaceType <IntrfcTp> | [0..1] | CodeSet | | 878 |
| | UserName <UsrNm> | [0..1] | Text | | 879 |
| | AccessCode <AccsCd> | [0..1] | Binary | | 879 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 879 |
| | AdditionalParameters <AddtlParams> | [0..1] | Binary | | 879 |

19.1.7.8.6.2.1 CommunicationType <ComTp>

Presence: [1..1]

Definition: Type of low level communication.

Datatype: "POICommunicationType2Code" on page 1056

| CodeName | Name | Definition |
|----------|----------------------|--|
| BLTH | Bluetooth | Communication with a host using Bluetooth. |
| ETHR | Ethernet | Ethernet port to communicate. |
| GPRS | GPRS | Communication with a host using GPRS. |
| GSMF | GSM | Communication with a host using GSM. |
| PSTN | PSTN | Communication with a host using Public Switching Telephone Network. |
| RS23 | RS232 | Serial port to communicate. |
| USBD | USBDevice | Communication with a USB stick or any USB device. |
| USBH | USBHost | Communication with a host from an USB port. |
| WIFI | Wifi | Wifi communication with another component. |
| WT2G | WirelessTechnology2G | Includes all communication technologies which can be qualified as being part of the 2G technology (e.g EDGE or PDC). |
| WT3G | WirelessTechnology3G | Includes all communication technologies which can be qualified as being part of the 3G technology. |

| CodeName | Name | Definition |
|----------|----------------------|--|
| WT4G | WirelessTechnology4G | Includes all communication technologies which can be qualified as being part of the 4G technology. |
| WT5G | WirelessTechnology5G | Includes all communication technologies which can be qualified as being part of the 5G technology. |

19.1.7.8.6.2.2 RemoteParty <RmotPty>

Presence: [1..*]

Definition: Entity that communicate with the current component, using this communication device.

Datatype: "PartyType7Code" on page 1055

| CodeName | Name | Definition |
|----------|-------------------|---|
| ACQR | Acquirer | Entity acquiring card transactions. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| PCPT | POIComponent | Party component of a POI system or POI terminal (Point of Interaction). |
| TMGT | TerminalManager | Responsible for one or several maintenance functions of a card payment acceptance terminal. |
| SALE | SaleSystem | Party selling goods and services. |

19.1.7.8.6.2.3 Active <Actv>

Presence: [1..1]

Definition: Communication hardware is activated.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.8.6.2.4 Parameters <Params>

Presence: [0..1]

Definition: Network parameters of the communication link.

Parameters <Params> contains the following elements (see "[NetworkParameters7](#)" on page 937 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Address <Adr> | [1..*] | | | 938 |
| | NetworkType <NtwkTp> | [1..1] | CodeSet | | 938 |
| | AddressValue <AdrVal> | [1..1] | Text | | 938 |
| | UserName <UsrNm> | [0..1] | Text | | 938 |
| | AccessCode <AccsCd> | [0..1] | Binary | | 939 |
| | ServerCertificate <SvrCert> | [0..*] | Binary | | 939 |
| | ServerCertificateIdentifier <SvrCertldr> | [0..*] | Binary | | 939 |
| | ClientCertificate <ClntCert> | [0..*] | Binary | | 939 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 939 |

19.1.7.8.6.2.5 PhysicalInterface <PhysIntrfc>

Presence: [0..1]

Definition: Physical Interface used by the communication link.

PhysicalInterface <PhysIntrfc> contains the following **PhysicalInterfaceParameter1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|---------|-------------|------|
| | InterfaceName <IntrfcNm> | [1..1] | Text | | 878 |
| | InterfaceType <IntrfcTp> | [0..1] | CodeSet | | 878 |
| | UserName <UsrNm> | [0..1] | Text | | 879 |
| | AccessCode <AccsCd> | [0..1] | Binary | | 879 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 879 |
| | AdditionalParameters <AddtlParams> | [0..1] | Binary | | 879 |

19.1.7.8.6.2.5.1 InterfaceName <IntrfcNm>

Presence: [1..1]

Definition: Identification of the interface.

Datatype: "[Max35Text](#)" on page 1088

19.1.7.8.6.2.5.2 InterfaceType <IntrfcTp>

Presence: [0..1]

Definition: Identification of the physical link layer.

Datatype: "[POICommunicationType2Code](#)" on page 1056

| CodeName | Name | Definition |
|----------|----------------------|--|
| BLTH | Bluetooth | Communication with a host using Bluetooth. |
| ETHR | Ethernet | Ethernet port to communicate. |
| GPRS | GPRS | Communication with a host using GPRS. |
| GSMF | GSM | Communication with a host using GSM. |
| PSTN | PSTN | Communication with a host using Public Switching Telephone Network. |
| RS23 | RS232 | Serial port to communicate. |
| USBD | USBDevice | Communication with a USB stick or any USB device. |
| USBH | USBHost | Communication with a host from an USB port. |
| WIFI | Wifi | Wifi communication with another component. |
| WT2G | WirelessTechnology2G | Includes all communication technologies which can be qualified as being part of the 2G technology (e.g EDGE or PDC). |
| WT3G | WirelessTechnology3G | Includes all communication technologies which can be qualified as being part of the 3G technology. |
| WT4G | WirelessTechnology4G | Includes all communication technologies which can be qualified as being part of the 4G technology. |
| WT5G | WirelessTechnology5G | Includes all communication technologies which can be qualified as being part of the 5G technology. |

19.1.7.8.6.2.5.3 UserName <UsrNm>

Presence: [0..1]

Definition: Optional user name to provide to use this interface.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.8.6.2.5.4 AccessCode <AccsCd>

Presence: [0..1]

Definition: Optional access code to provide to use this interface.

Datatype: ["Max35Binary" on page 1015](#)

19.1.7.8.6.2.5.5 SecurityProfile <SctyPrfl>

Presence: [0..1]

Definition: Identification of the optional security profile to use with this interface.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.8.6.2.5.6 AdditionalParameters <AddtlParams>

Presence: [0..1]

Definition: Any other parameters relevant for this interface.

Datatype: ["Max2KBinary" on page 1015](#)

19.1.7.8.6.3 SecurityAccessModules <SctyAccsMdls>

Presence: [0..1]

Definition: Number of security access modules (SAM).

Datatype: ["Number" on page 1084](#)

19.1.7.8.6.4 SubscriberIdentityModules <SbcbrldntyMdls>

Presence: [0..1]

Definition: Number of subscriber identity modules (SIM).

Datatype: ["Number" on page 1084](#)

19.1.7.8.6.5 SecurityElement <SctyElmt>

Presence: [0..*]

Definition: Security characteristics of the component.

SecurityElement <SctyElmt> contains the following elements (see "[CryptographicKey18](#)" on page 999 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Identification </d> | [1..1] | Text | | 1000 |
| | AdditionalIdentification <AddtlId> | [0..1] | Binary | | 1000 |
| | Name <Nm> | [0..1] | Text | | 1001 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 1001 |
| | ItemNumber <ItmNb> | [0..1] | Text | | 1001 |
| | Version <Vrsn> | [1..1] | Text | | 1001 |
| | Type <Tp> | [0..1] | CodeSet | | 1001 |
| | Function <Fctn> | [0..*] | CodeSet | | 1002 |
| | ActivationDate <ActvtnDt> | [0..1] | DateTime | | 1002 |
| | DeactivationDate <DeactvtnDt> | [0..1] | DateTime | | 1003 |
| | KeyValue <KeyVal> | [0..1] | ± | | 1003 |
| | ComponentWithAuthorisedAccess <CmpntWthAuthrsdAccs> | [0..*] | | | 1003 |
| | Identification </d> | [1..1] | Text | | 1003 |
| | Type <Tp> | [1..1] | CodeSet | | 1003 |
| | ProtectedComponentWithAuthorisedAccess <PrtctdCmpntWthAuthrsdAccs> | [0..*] | ± | | 1004 |
| | KeyCheckValue <KeyChckVal> | [0..1] | Binary | | 1004 |
| | AdditionalManagementInformation <AddtlMgmtInf> | [0..*] | | | 1004 |
| | Name <Nm> | [1..1] | Text | | 1004 |
| | Value <Val> | [0..1] | Text | | 1005 |

19.1.7.8.7 Assessment <Assmnt>

Presence: [0..*]

Definition: Assessments for the component of the point of interaction.

Assessment <Assmnt> contains the following **PointOfInteractionComponentAssessment1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------|--------|----------|-------------|------|
| | Type <Tp> | [1..1] | CodeSet | | 882 |
| | Assigner <Assgnr> | [1..*] | Text | | 882 |
| | DeliveryDate <DlvryDt> | [0..1] | DateTime | | 882 |
| | ExpirationDate <XprtnDt> | [0..1] | DateTime | | 882 |
| | Number <Nb> | [1..1] | Text | | 882 |

19.1.7.8.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of assessment of the component.

Datatype: "POIComponentAssessment1Code" on page 1057

| CodeName | Name | Definition |
|----------|---------------|---|
| APPL | Approval | Approval number delivered by an approval centre. |
| CERT | Certification | Certification number delivered by a certification body. |
| EVAL | Evaluation | Evaluation by a lab or a tool. |

19.1.7.8.7.2 Assigner <Assgnr>

Presence: [1..*]

Definition: Body which has delivered the assessment.

Datatype: "Max35Text" on page 1088

19.1.7.8.7.3 DeliveryDate <DlvryDt>

Presence: [0..1]

Definition: Date when the assessment has been delivered.

Datatype: "ISODateTime" on page 1081

19.1.7.8.7.4 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Date when the assessment will expire.

Datatype: "ISODateTime" on page 1081

19.1.7.8.7.5 Number <Nb>

Presence: [1..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1088

19.1.7.8.8 Package <Packg>

Presence: [0..*]

Definition: Chunk of a software package.

Package <Packg> contains the following **PackageType5** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------|--------|----------|-------------|------|
| | Packageldentification <PackgId> | [0..1] | ± | | 883 |
| | PackageLength <PackgLngh> | [0..1] | Quantity | | 883 |
| | OffsetStart <OffsetStart> | [0..1] | Quantity | | 883 |
| | OffsetEnd <OffsetEnd> | [0..1] | Quantity | | 884 |
| | PackageBlock <PackgBlck> | [0..*] | | | 884 |
| | Identification </d> | [1..1] | Text | | 884 |
| | Value <Val> | [0..1] | Binary | | 884 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 884 |
| | Type <Tp> | [0..1] | Text | | 885 |

19.1.7.8.8.1 Packageldentification <PackgId>

Presence: [0..1]

Definition: Identification of the software packages of which the chunk belongs.

Packageldentification <PackgId> contains the following elements (see "[Genericldentification176](#)" on page 759 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 759 |
| | Type <Tp> | [0..1] | CodeSet | | 759 |
| | Issuer </ssr> | [0..1] | CodeSet | | 760 |
| | Country <Ctry> | [0..1] | Text | | 760 |
| | ShortName <ShrtNm> | [0..1] | Text | | 760 |

19.1.7.8.8.2 PackageLength <PackgLngh>

Presence: [0..1]

Definition: Full length of software package identified through Packageldentification.

Datatype: "[PositiveNumber](#)" on page 1084

19.1.7.8.8.3 OffsetStart <OffsetStart>

Presence: [0..1]

Definition: Place of the first following PackageBlock, beginning with 0, in the full software package identified through Packageldentification.

Datatype: "PositiveNumber" on page 1084

19.1.7.8.8.4 OffsetEnd <OffsetEnd>

Presence: [0..1]

Definition: Following place of the last following PackageBlock in the full software package identified through Packagelidentification.

Datatype: "PositiveNumber" on page 1084

19.1.7.8.8.5 PackageBlock <PackgBlck>

Presence: [0..*]

Definition: Consecutive slices of the full software package identified through Packagelidentification starting with first slice at the place identified with OffsetStart and ending with the last slice at the previous place identified with OffsetEnd.

PackageBlock <PackgBlck> contains the following **ExternallyDefinedData5** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|--------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 884 |
| | Value <Val> | [0..1] | Binary | | 884 |
| | ProtectedValue <PrtctdVal> | [0..1] | ± | | 884 |
| | Type <Tp> | [0..1] | Text | | 885 |

19.1.7.8.8.5.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the set of data to exchange.

Datatype: "Max1025Text" on page 1085

19.1.7.8.8.5.2 Value <Val>

Presence: [0..1]

Definition: Data to exchange according to an external standard.

Datatype: "Max100KBinary" on page 1014

19.1.7.8.8.5.3 ProtectedValue <PrtctdVal>

Presence: [0..1]

Definition: Protection of the values to exchange.

ProtectedValue <PrtctdVal> contains the following elements (see "[ContentInformationType39](#)" on page 992 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 992 |
| | EnvelopedData <EnvlpdData> | [0..1] | ± | | 992 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 994 |
| | SignedData <SgndData> | [0..1] | ± | | 995 |
| | DigestedData <DgstdData> | [0..1] | ± | | 996 |

19.1.7.8.8.5.4 Type <Tp>

Presence: [0..1]

Definition: Identification of the standard used to encode the values to exchange.

Datatype: ["Max1025Text" on page 1085](#)

19.1.7.9 DataSetIdentification10

Definition: Identification of a data set.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|----------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 885 |
| | Type <Tp> | [1..1] | CodeSet | | 885 |
| | Version <Vrsn> | [0..1] | Text | | 886 |
| | CreationDateTime <CreDtTm> | [0..1] | DateTime | | 887 |

19.1.7.9.1 Name <Nm>

Presence: [0..1]

Definition: Name of the data set.

Datatype: ["Max256Text" on page 1087](#)

19.1.7.9.2 Type <Tp>

Presence: [1..1]

Definition: Category of data set.

Datatype: ["DataSetCategory18Code" on page 1040](#)

| CodeName | Name | Definition |
|----------|-----------------------|--|
| AQPR | AcquirerParameters | Acquirer specific configuration parameters for the point of interaction (POI) system. |
| APPR | ApplicationParameters | Payment application specific configuration parameters for the point of interaction (POI) system. |

| CodeName | Name | Definition |
|----------|------------------------------|---|
| TXCP | BatchCapture | Batch upload of transaction data (data capture of a group of transactions). |
| AKCP | CaptureResponse | Batch download response for the batch capture of transactions. |
| DLGT | DelegationData | Data needed to create a terminal management sub-domain. |
| MGTP | ManagementPlan | Configuration of management plan in the point of interaction. |
| MRPR | MerchantParameters | Merchant configuration parameters for the point of interaction (POI). |
| SCPR | SecurityParameters | Point of interaction parameters related to the security of software application and application protocol. |
| SWPK | SoftwareModule | Software module. |
| STRP | StatusReport | Report of software configuration and parameter status. |
| TRPR | TerminalParameters | Point of interaction parameters attached to the terminal as serial number or physical capabilities. |
| VDPR | VendorParameters | Point of interaction parameters defined by the manufacturer for instance the PIN verification capabilities. |
| PARA | Parameters | Any combination of configuration parameters for the point of interaction (POI). |
| TMSP | TMSProtocolParameters | Configuration parameters for the TMS protocol. |
| CRTF | CertificateParameters | Certificate provided by a terminal manager. |
| LOGF | LogFile | Any repository used for recording log traces. |
| CMRQ | CertificateManagementRequest | Trigger for CertificateManagementRequest. |
| MDFL | MediaFile | Media file managed by an application of the POI. |
| CONF | ConfigurationFile | Configuration file relevant for the POI. |
| RPFL | ReportFile | Report file generated by the POI. |
| SAPR | SaleToPOIProtocolParameters | Parameters related to the Sale to POI protocol. |
| SPRP | ServiceProviderParameters | Service Provider specific parameters for the point of interaction (POI) system. |

19.1.7.9.3 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data set.

Datatype: ["Max256Text" on page 1087](#)

19.1.7.9.4 CreationDateTime <CreDtTm>

Presence: [0..1]

Definition: Date and time of creation of the data set.

Datatype: ["ISODateTime" on page 1081](#)

19.1.7.10 CardPaymentContext30

Definition: Context in which the transaction is performed (payment and sale).

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | PaymentContext <PmtCntxt> | [0..1] | | | 890 |
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttnDncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttnDntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttnDntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbkInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SprrtdOptn> | [0..*] | CodeSet | | 894 |
| | SaleContext <SaleCntxt> | [0..1] | | | 894 |
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcncltnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <CshrlLang> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |
| | SplitPayment <Spltpmt> | [0..1] | Indicator | | 898 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |
| | DirectDebitContext <DrctDbtCnxt> | [0..1] | | | 899 |
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

19.1.7.10.1 PaymentContext <PmtCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

PaymentContext <PmtCntxt> contains the following PaymentContext29 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CardPresent <CardPres> | [0..1] | Indicator | | 890 |
| | CardholderPresent <CrdhldrPres> | [0..1] | Indicator | | 890 |
| | OnLineContext <OnLineCntxt> | [0..1] | Indicator | | 891 |
| | AttendanceContext <AttndncCntxt> | [0..1] | CodeSet | | 891 |
| | TransactionEnvironment <TxEnvrt> | [0..1] | CodeSet | | 891 |
| | TransactionChannel <TxChnl> | [0..1] | CodeSet | | 891 |
| | BusinessArea <BizArea> | [0..1] | CodeSet | | 892 |
| | AttendantMessageCapable <AttndntMsgCpbl> | [0..1] | Indicator | | 892 |
| | AttendantLanguage <AttndntLang> | [0..1] | CodeSet | C6 | 892 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 893 |
| | FallbackIndicator <FlbckInd> | [0..1] | CodeSet | | 893 |
| | SupportedOption <SprrtdOptn> | [0..*] | CodeSet | | 894 |

19.1.7.10.1.1 CardPresent <CardPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated by a card physically present or not.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- Meaning When True: True
- Meaning When False: False

19.1.7.10.1.2 CardholderPresent <CrdhldrPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated in presence of the cardholder or not.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- Meaning When True: True
- Meaning When False: False

19.1.7.10.1.3 OnLineContext <OnLineCntxt>

Presence: [0..1]

Definition: On-line or off-line context of the transaction.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.10.1.4 AttendanceContext <AtndncCntxt>

Presence: [0..1]

Definition: Human attendance at the POI (Point Of Interaction) location during the transaction.

Datatype: "[AttendanceContext1Code](#)" on page 1026

| CodeName | Name | Definition |
|----------|--------------|---|
| ATTD | Attended | Attended payment, with an attendant. |
| SATT | SemiAttended | Semi-attended, including self checkout. An attendant supervises several payment, and could be called to help the cardholder. |
| UATT | Unattended | Unattended payment, no attendant present. |

19.1.7.10.1.5 TransactionEnvironment <TxEnvt>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "[TransactionEnvironment1Code](#)" on page 1078

| CodeName | Name | Definition |
|----------|----------|-----------------------|
| MERC | Merchant | Merchant environment. |
| PRIV | Private | Private environment. |
| PUBL | Public | Public environment. |

19.1.7.10.1.6 TransactionChannel <TxChnl>

Presence: [0..1]

Definition: Identifies the type of the communication channels used by the cardholder to the acceptor system.

Datatype: "[TransactionChannel5Code](#)" on page 1077

| CodeName | Name | Definition |
|----------|--------------------|------------------------|
| MAIL | MailOrder | Mail order. |
| TLPH | TelephoneOrder | Telephone order. |
| ECOM | ElectronicCommerce | Electronic commerce. |
| TVPY | TelevisionPayment | Payment on television. |

| CodeName | Name | Definition |
|----------|---------------------------|---|
| SECM | SecuredElectronicCommerce | Electronic commerce with cardholder authentication. |
| MOBL | MobilePayment | Payment performed through a cardholder mobile device. |
| MPOS | MobilePOS | Payment performed through a merchant mobile device. |

19.1.7.10.1.7 BusinessArea <BizArea>

Presence: [0..1]

Definition: Defines the business context of this transaction that could imply specific scheme rules.

Datatype: ["BusinessArea2Code" on page 1031](#)

| CodeName | Name | Definition |
|----------|-------------------------------------|--|
| AIBD | ArtificialIntelligenceBasedDecision | The payment is initiated by an artificial intelligence based decision. |
| PPAY | PlainPayment | The card is used to perform a plain payment. |
| TKNF | TransitKnownFare | The card is used in a Transit business case where the fare amount is known when the transaction is initiated. |
| EOPT | EnergyOpenPayment | Indicates when the card is used in an energy business case where the amount could not be assessed when the transaction is initiated. |
| TOPT | TransitOpenPayment | Indicates when the card is used in a transit business case where the fare amount is not known when the transaction is initiated. |

19.1.7.10.1.8 AttendantMessageCapable <AttndntMsgCpbl>

Presence: [0..1]

Definition: Indicates whether a message can be sent or not on an attendant display (attendant display present or not).

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.10.1.9 AttendantLanguage <AttndntLang>

Presence: [0..1]

Definition: Language used to display messages to the attendant.

Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: [C6 "ValidationByTable"](#)

Datatype: ["LanguageCode" on page 1048](#)

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.7.10.1.10 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Entry mode of the card data.

Datatype: ["CardDataReading8Code" on page 1033](#)

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

19.1.7.10.1.11 FallbackIndicator <FlbckInd>

Presence: [0..1]

Definition: Indicator of a card entry mode fallback.

Datatype: ["CardFallback1Code" on page 1034](#)

| CodeName | Name | Definition |
|----------|----------------------|--|
| FFLB | FallbackAfterFailure | Card fall-back occurred during the transaction in progress. The previous transaction on the terminal failed. |
| SFLB | FallbackAfterSuccess | Card fall-back occurred during the transaction in progress. The previous transaction on the terminal was successful. |

| CodeName | Name | Definition |
|----------|------------|---|
| NFLB | NoFallback | No card fall-back during the transaction in progress. |

19.1.7.10.1.12 SupportedOption <SpprtedOptn>

Presence: [0..*]

Definition: Payment options the card acceptor can support.

Datatype: ["SupportedPaymentOption2Code" on page 1074](#)

| CodeName | Name | Definition |
|----------|---------------------|---|
| PART | PartialApproval | The entity supports a partial approval of the payment transaction. |
| MSRV | PaymentApprovalOnly | The entity supports the approval of the payment service along with the decline of additional requested services (as cash-back). |
| INSI | IssuerInstalment | The sender support IssuerInstalment proposals to the Cardholder. |
| PINQ | PINRequest | The sender is able to support Single Tap transaction. |

19.1.7.10.2 SaleContext <SaleCntxt>

Presence: [0..1]

Definition: Context of the sale involving the card payment transaction.

SaleContext <SaleCntxt> contains the following **SaleContext4** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | SaleIdentification <SaleId> | [0..1] | Text | | 895 |
| | SaleReferenceNumber <SaleRefNb> | [0..1] | Text | | 895 |
| | SaleReconciliationIdentification <SaleRcnclnId> | [0..1] | Text | | 896 |
| | CashierIdentification <Cshrld> | [0..1] | Text | | 896 |
| | CashierLanguage <Cshrlng> | [0..*] | CodeSet | C6 | 896 |
| | ShiftNumber <ShftNb> | [0..1] | Text | | 896 |
| | CustomerOrderRequestFlag <CstmrOrdrReqFlg> | [0..1] | Indicator | | 896 |
| | PurchaseOrderNumber <PurchsOrdrNb> | [0..1] | Text | | 896 |
| | InvoiceNumber <InvcNb> | [0..1] | Text | | 896 |
| | DeliveryNoteNumber <DlvryNoteNb> | [0..1] | Text | | 897 |
| | SponsoredMerchant <SpnsrdMrchnt> | [0..*] | | | 897 |
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |
| | SplitPayment <SpltPmt> | [0..1] | Indicator | | 898 |
| | RemainingAmount <RmngAmt> | [0..1] | Amount | | 898 |
| | ForceOnlineFlag <ForceOnlnFlg> | [0..1] | Indicator | | 898 |
| | ReuseCardDataFlag <ReuseCardDataFlg> | [0..1] | Indicator | | 898 |
| | AllowedEntryMode <AllwdNtryMd> | [0..*] | CodeSet | | 898 |
| | SaleTokenScope <SaleTknScp> | [0..1] | CodeSet | | 899 |
| | AdditionalSaleData <AddtlSaleData> | [0..1] | Text | | 899 |

19.1.7.10.2.1 SaleIdentification <SaleId>

Presence: [0..1]

Definition: Identification of the sale terminal (electronic cash register or point of sale terminal) or the sale system.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.2 SaleReferenceNumber <SaleRefNb>

Presence: [0..1]

Definition: Identify a sale transaction assigned by the sale system.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.3 SaleReconciliationIdentification <SaleRcncltnId>

Presence: [0..1]

Definition: Identifier of the reconciliation between the Sale system and the POI system.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.4 CashierIdentification <CshrlId>

Presence: [0..1]

Definition: Identification of the cashier who carried out the transaction.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.5 CashierLanguage <CshrlLang>

Presence: [0..*]

Definition: Languages used by the cashier.

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.7.10.2.6 ShiftNumber <ShftNb>

Presence: [0..1]

Definition: Identifies the shift of the cashier.

Datatype: "Max2NumericText" on page 1087

19.1.7.10.2.7 CustomerOrderRequestFlag <CstmrOrdrReqFlg>

Presence: [0..1]

Definition: Flag indicating that list of CustomerOrders should be returned in response.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.10.2.8 PurchaseOrderNumber <PurchsOrdrNb>

Presence: [0..1]

Definition: Identification of the purchase order.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.9 InvoiceNumber <InvcNb>

Presence: [0..1]

Definition: Identification of the invoice.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.10 DeliveryNoteNumber <DlvryNoteNb>

Presence: [0..1]

Definition: Identification allocated by the sale system and given to the customer.

Datatype: "Max35Text" on page 1088

19.1.7.10.2.11 SponsoredMerchant <SpnsrdMrchnt>

Presence: [0..*]

Definition: Merchant using the payment services of a payment facilitator, acting as a card acceptor.

SponsoredMerchant <SpnsrdMrchnt> contains the following **Organisation26** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | CommonName <CmonNm> | [1..1] | Text | | 897 |
| | Address <Adr> | [0..1] | Text | | 897 |
| | CountryCode <CtryCd> | [1..1] | CodeSet | | 897 |
| | MerchantCategoryCode <MrchntCtgyCd> | [1..1] | Text | | 897 |
| | RegisteredIdentifier <Regdldr> | [1..1] | Text | | 897 |

19.1.7.10.2.11.1 CommonName <CmonNm>

Presence: [1..1]

Definition: Name of the merchant.

Datatype: "Max70Text" on page 1090

19.1.7.10.2.11.2 Address <Adr>

Presence: [0..1]

Definition: Location of the merchant.

Datatype: "Max140Text" on page 1086

19.1.7.10.2.11.3 CountryCode <CtryCd>

Presence: [1..1]

Definition: Country of the merchant.

Datatype: "ISO3NumericCountryCode" on page 1047

19.1.7.10.2.11.4 MerchantCategoryCode <MrchntCtgyCd>

Presence: [1..1]

Definition: Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction.

Datatype: "Min3Max4Text" on page 1091

19.1.7.10.2.11.5 RegisteredIdentifier <Regdldr>

Presence: [1..1]

Definition: Identifier of the sponsored merchant assigned by the payment facilitator of their acquirer.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.10.2.12 SplitPayment <SplitPmt>

Presence: [0..1]

Definition: True if the payment transaction is a partial payment of the sale transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.10.2.13 RemainingAmount <RmngAmt>

Presence: [0..1]

Definition: Remaining amount to complete the sale transaction, if a partial payment has been completed for the sale transaction.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.10.2.14 ForceOnlineFlag <ForceOnInFlg>

Presence: [0..1]

Definition: Indicates if the Cashier requires POI forces online access to the Acquirer.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.10.2.15 ReuseCardDataFlag <ReuseCardDataFlg>

Presence: [0..1]

Definition: Indicates if the card data has to be taken from a previous transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.10.2.16 AllowedEntryMode <AllwdNtryMd>

Presence: [0..*]

Definition: Type of card data reading.

Datatype: ["CardDataReading8Code" on page 1033](#)

| CodeName | Name | Definition |
|----------|----------|---|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

19.1.7.10.2.17 SaleTokenScope <SaleTknScp>

Presence: [0..1]

Definition: Scope of the token that identifies the payment mean of the customer.

Datatype: ["SaleTokenScope1Code" on page 1072](#)

| CodeName | Name | Definition |
|----------|-------------|--|
| MULT | MultipleUse | The token is generated to recognise a customer for a longer period. |
| SNGL | SingleUse | The token is generated to recognise a customer during the lifetime of a transaction. |

19.1.7.10.2.18 AdditionalSaleData <AddtlSaleData>

Presence: [0..1]

Definition: Additional information associated with the sale transaction.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.10.3 DirectDebitContext <DrctDbtCntxt>

Presence: [0..1]

Definition: Context of the direct debit transaction.

DirectDebitContext <DrctDbtCntxt> contains the following **CardDirectDebit2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|---------------|-------------|------|
| | DebtorIdentification <DbtrId> | [0..1] | | | 900 |
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAddr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN </IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification <Id> | [1..1] | Text | | 904 |
| | CreditorIdentification <CdtrId> | [1..1] | | | 904 |
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAddr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |
| | MandateRelatedInformation <MndtRltdInf> | [1..1] | | | 906 |
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

19.1.7.10.3.1 DebtorIdentification <DbtrId>

Presence: [0..1]

Definition: Information related to the debtor.

DebtorIdentification <DbtrId> contains the following **Debtor4** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|-------------------------------------|--------|---------------|-------------|------|
| | Debtor <Dbtr> | [0..1] | | | 901 |
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |
| | AccountIdentification <AcctId> | [0..1] | | | 903 |
| {Or} | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification </d> | [1..1] | Text | | 904 |

19.1.7.10.3.1.1 Debtor <Dbtr>

Presence: [0..1]

Definition: Party that owes an amount of money to the (ultimate) creditor. In the context of the payment model, the debtor is also the debit account owner.

Debtor <Dbtr> contains one of the following **PartyIdentification178Choice** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|-------------------------------------|--------|---------------|-------------|------|
| {Or} | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 901 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 902 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 902 |
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |

19.1.7.10.3.1.1.1 AnyBIC <AnyBIC>

Presence: [1..1]

Definition: Unique and unambiguous identifier for an organisation that is allocated by an institution, for example, Dun & Bradstreet Identification.

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1082

Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

19.1.7.10.3.1.1.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

Definition: Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification36](#)" on page 762 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 762 |
| | Issuer <lssr> | [1..1] | Text | | 762 |
| | SchemeName <SchmeNm> | [0..1] | Text | | 763 |

19.1.7.10.3.1.1.3 NameAndAddress <NmAndAdr>

Presence: [1..1]

Definition: Name by which a party is known and which is usually used to identify that party.

NameAndAddress <NmAndAdr> contains the following **NameAndAddress6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Name <Nm> | [1..1] | Text | | 902 |
| | Address <Adr> | [1..1] | ± | | 902 |

19.1.7.10.3.1.1.3.1 Name <Nm>

Presence: [1..1]

Definition: Name by which a party is known and which is usually used to identify that party.

Datatype: "[Max70Text](#)" on page 1090

19.1.7.10.3.1.1.3.2 Address <Adr>

Presence: [1..1]

Definition: Information that locates and identifies a specific address, as defined by postal services.

Address <Adr> contains the following elements (see "[PostalAddress2](#)" on page 1005 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | StreetName <StrtNm> | [0..1] | Text | | 1005 |
| | PostCodeIdentification <PstCdId> | [1..1] | Text | | 1005 |
| | TownName <TwnNm> | [1..1] | Text | | 1005 |
| | CountrySubDivision <CtrySubDvsn> | [0..1] | Text | | 1005 |
| | Country <Ctry> | [1..1] | CodeSet | C3 | 1006 |

19.1.7.10.3.1.2 AccountIdentification <AcctId>

Presence: [0..1]

Definition: Unique and unambiguous identification for the account between the account owner and the account servicer.

AccountIdentification <AcctId> contains one of the following **CashAccountIdentification7Choice** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|-----|----------------------------|--------|---------------|-------------|------|
| {Or | IBAN <IBAN> | [1..1] | IdentifierSet | C4 | 903 |
| Or | BBAN <BBAN> | [1..1] | IdentifierSet | | 903 |
| Or | UPIC <UPIC> | [1..1] | IdentifierSet | | 904 |
| Or} | DomesticAccount <DmstAcct> | [1..1] | | | 904 |
| | Identification </d> | [1..1] | Text | | 904 |

19.1.7.10.3.1.2.1 IBAN <IBAN>

Presence: [1..1]

Definition: International Bank Account Number (IBAN) - identifier used internationally by financial institutions to uniquely identify the account of a customer. Further specifications of the format and content of the IBAN can be found in the standard ISO 13616 "Banking and related financial services - International Bank Account Number (IBAN)" version 1997-10-01, or later revisions.

Impacted by: C4 "IBAN"

Datatype: ["IBAN2007Identifier"](#) on page 1083

Constraints

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

19.1.7.10.3.1.2.2 BBAN <BBAN>

Presence: [1..1]

Definition: Basic Bank Account Number (BBAN) - identifier used nationally by financial institutions, ie, in individual countries, generally as part of a National Account Numbering Scheme(s), to uniquely identify the account of a customer.

Datatype: ["BBANIdentifier" on page 1082](#)

19.1.7.10.3.1.2.3 UPIC <UPIC>

Presence: [1..1]

Definition: Universal Payment Identification Code (UPIC) - identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

Datatype: ["UPICIdentifier" on page 1083](#)

19.1.7.10.3.1.2.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial institutions in individual countries to identify an account of a customer, but not necessarily the bank and branch of the financial institution in which the account is held.

DomesticAccount <DmstAcct> contains the following **SimpleIdentificationInformation4** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 904 |

19.1.7.10.3.1.2.4.1 Identification <Id>

Presence: [1..1]

Definition: Name or number assigned by an entity to enable recognition of that entity, for example, account identifier.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.10.3.2 CreditorIdentification <CdtrId>

Presence: [1..1]

Definition: Information related to the creditor.

CreditorIdentification <CdtrId> contains the following **Creditor4** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|-----|-------------------------------------|--------|---------------|-------------|------|
| | Creditor <Cdtr> | [1..1] | | | 905 |
| {Or | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |
| | RegistrationIdentification <RegnId> | [0..1] | Text | | 906 |

19.1.7.10.3.2.1 Creditor <Cdtr>

Presence: [1..1]

Definition: Party that receives an amount of money from the debtor. In the context of the payment model, the creditor is also the credit account owner.

Creditor <Cdtr> contains one of the following **PartyIdentification178Choice** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|-----|-------------------------------------|--------|---------------|-------------|------|
| {Or | AnyBIC <AnyBIC> | [1..1] | IdentifierSet | C2 | 905 |
| Or | ProprietaryIdentification <PrtryId> | [1..1] | ± | | 905 |
| Or} | NameAndAddress <NmAndAdr> | [1..1] | | | 905 |
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |

19.1.7.10.3.2.1.1 AnyBIC <AnyBIC>

Presence: [1..1]

Definition: Unique and unambiguous identifier for an organisation that is allocated by an institution, for example, Dun & Bradstreet Identification.

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1082

Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

19.1.7.10.3.2.1.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

Definition: Unique and unambiguous identifier, as assigned to a financial institution using a proprietary identification scheme.

ProprietaryIdentification <PrtryId> contains the following elements (see "GenericIdentification36" on page 762 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 762 |
| | Issuer <Issr> | [1..1] | Text | | 762 |
| | SchemeName <SchmeNm> | [0..1] | Text | | 763 |

19.1.7.10.3.2.1.3 NameAndAddress <NmAndAdr>

Presence: [1..1]

Definition: Name by which a party is known and which is usually used to identify that party.

NameAndAddress <NmAndAdr> contains the following **NameAndAddress6** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Name <Nm> | [1..1] | Text | | 906 |
| | Address <Adr> | [1..1] | ± | | 906 |

19.1.7.10.3.2.1.3.1 Name <Nm>

Presence: [1..1]

Definition: Name by which a party is known and which is usually used to identify that party.

Datatype: "Max70Text" on page 1090

19.1.7.10.3.2.1.3.2 Address <Adr>

Presence: [1..1]

Definition: Information that locates and identifies a specific address, as defined by postal services.

Address <Adr> contains the following elements (see "[PostalAddress2](#)" on page 1005 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|---------|-------------|------|
| | StreetName <StrtNm> | [0..1] | Text | | 1005 |
| | PostCodeIdentification <PostCdId> | [1..1] | Text | | 1005 |
| | TownName <TwnNm> | [1..1] | Text | | 1005 |
| | CountrySubDivision <CtrySubDvsn> | [0..1] | Text | | 1005 |
| | Country <Ctry> | [1..1] | CodeSet | C3 | 1006 |

19.1.7.10.3.2.2 RegistrationIdentification <RegId>

Presence: [0..1]

Definition: Reference assigned to a creditor by its financial institution, or relevant authority, authorising the creditor to take part in a direct debit scheme.

Datatype: "Max35Text" on page 1088

19.1.7.10.3.3 MandateRelatedInformation <MndtRltdInf>

Presence: [1..1]

Definition: Provides further details of the mandate signed between the creditor and the debtor.

MandateRelatedInformation <MndtRltdInf> contains the following **MandateRelatedInformation13** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|--------|-------------|------|
| | MandateIdentification <MndtId> | [1..1] | Text | | 907 |
| | DateOfSignature <DtOfSgntr> | [0..1] | Date | | 907 |
| | MandateImage <MndtImg> | [0..1] | Binary | | 907 |

19.1.7.10.3.3.1 MandateIdentification <MndtId>

Presence: [1..1]

Definition: Unique identification, as assigned by the creditor, to unambiguously identify the mandate.

Datatype: "Max35Text" on page 1088

19.1.7.10.3.3.2 DateOfSignature <DtOfSgntr>

Presence: [0..1]

Definition: Date on which the direct debit mandate has been signed by the debtor.

Datatype: "ISODate" on page 1081

19.1.7.10.3.3.3 MandateImage <MndtImg>

Presence: [0..1]

Definition: Image of scanned signed mandate.

Datatype: "Max2MBBinary" on page 1015

19.1.7.11 LoyaltyAccount3

Definition: Loyalty Account description.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|---------|-------------|------|
| | LoyaltyIdentification <LLtyId> | [1..1] | Text | | 907 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 907 |
| | IdentificationType <IdTp> | [0..1] | CodeSet | | 908 |
| | Brand <Brnd> | [0..1] | Text | | 908 |
| | Provider <Prvdr> | [0..1] | Text | | 909 |
| | OwnerName <OwnrNm> | [0..1] | Text | | 909 |
| | Unit <Unit> | [0..1] | CodeSet | | 909 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 909 |
| | Balance <Bal> | [0..1] | Amount | | 909 |

19.1.7.11.1 LoyaltyIdentification <LLtyId>

Presence: [1..1]

Definition: Identification of Loyalty Account.

Datatype: "Max35Text" on page 1088

19.1.7.11.2 EntryMode <NtryMd>

Presence: [0..1]

Definition: Standard or last entry mode to access the Loyalty account or card.

Datatype: "CardDataReading8Code" on page 1033

| CodeName | Name | Definition |
|-----------------|----------------------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

19.1.7.11.3 IdentificationType <IdTp>

Presence: [0..1]

Definition: Type of identification for this Loyalty Account.

Datatype: "CardIdentificationType1Code" on page 1034

| CodeName | Name | Definition |
|-----------------|--------------------------------|--|
| ACCT | AccountNumber | Account identification. |
| BARC | BarCode | Bar-code with a specific form of identification. |
| ISO2 | ISOTrack2 | ISO Track 2 including identification. |
| PHON | PhoneNumber | A phone number identifies the account on which the phone card is assigned. |
| CPAN | PrimaryAccountNumber | Standard card identification (card number). |
| PRIV | PrivativeNumbering | An identification set by a privative application. |
| UUID | UniversalUniquelIdentification | A Universal Unique Identification code is set for identification. |

19.1.7.11.4 Brand <Brnd>

Presence: [0..1]

Definition: Brand to which belong the account.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.11.5 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the Loyalty Account.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.11.6 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Owner name of an account.

Datatype: ["Max45Text" on page 1089](#)

19.1.7.11.7 Unit <Unit>

Presence: [0..1]

Definition: Unit of a Loyalty Account (Point or Currency).

Datatype: ["AmountUnit1Code" on page 1026](#)

| CodeName | Name | Definition |
|----------|----------|--|
| MONE | Monetary | The amount is expressed in a monetary value in a currency. |
| POIN | Point | The amount is expressed in point. |

19.1.7.11.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency of a Loyalty Account if any.

Impacted by: [C1 "ActiveCurrency"](#)

Datatype: ["ActiveCurrencyCode" on page 1017](#)

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.7.11.9 Balance <Bal>

Presence: [0..1]

Definition: Balance of a Loyalty Account.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.12 ResponseType11

Definition: Response of a requested service.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Response <Rspn> | [1..1] | CodeSet | | 910 |
| | ResponseReason <RspnRsn> | [0..1] | CodeSet | | 910 |
| | AdditionalResponseInformation <AddtlRspnInf> | [0..1] | Text | | 911 |

19.1.7.12.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the requested transaction.

Datatype: "Response11Code" on page 1061

| CodeName | Name | Definition |
|----------|---------|---|
| WARN | Warning | An additional Response Code, mainly a functional one, should be considered to identify the outcome of the request. |
| FAIL | Failure | Processing of the request fails for various reasons. Some further processing according to the type of requested service, the context of the process, and some additional precision about the failure notified in the ErrorCondition data element. |
| SUCC | Success | Processing OK. Information related to the result of the processing is contained in other parts of the response message. |

19.1.7.12.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "RetailerResultDetail1Code" on page 1063

| CodeName | Name | Definition |
|----------|-----------------|--|
| ABRT | Aborted | The Initiator of the request has sent an Abort message request, which was accepted and processed. |
| BUSY | Busy | The system is busy, try later. |
| CANC | Cancel | The user has aborted the transaction on the PED keyboard, for instance during PIN entering. |
| DEVO | DeviceOut | Device out of order. |
| WPIN | WrongPIN | The user has entered the PIN on the PED keyboard and the verification fails. |
| NHOS | UnreachableHost | Acquirer or any host is unreachable or has not answered to an online request, so is considered as temporary unavailable. Depending on the Sale context, the request could be repeated (to be compared with "Refusal"). |

| CodeName | Name | Definition |
|----------|--------------------|---|
| UNVS | UnavailableService | The service is not available (not implemented, not configured, protocol version too old...). |
| UNVD | UnavailableDevice | The hardware is not available (absent, not configured...). |
| REFU | Refusal | The transaction is refused by the host or by the local rules associated to the card or the POI. |
| PAYR | PaymentRestriction | Some sale items are not payable by the card proposed by the Customer. |
| TNFD | NotFound | The transaction is not found (e.g. for a reversal or a repeat). |
| NALW | NotAllowed | A service request is sent during a Service dialogue. A combination of services not possible to provide. During the DeviceInitialisationCardReader message processing, the user has entered a card which has to be protected by the POI, and cannot be processed with this device request from the external, and then the Sale System. |
| LOUT | LoggedOut | Not logged in. |
| IVCA | InvalidCard | The card entered by the Customer cannot be processed by the POI because this card is not configured in the system. |
| ICAR | InsertedCard | If the Input Device request a NotifyCardInputFlag and the Customer enters a card in the card reader without answers to the Input command, the POI abort the Input command processing, and answer a dedicated ErrorCondition value in the Input response message. |
| WIPG | InProgress | The transaction is still in progress and then the command cannot be processed. |

19.1.7.12.3 AdditionalResponseInformation <AddtlRspnInfo>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: ["Max140Text" on page 1086](#)

19.1.7.13 CustomerDevice3

Definition: Device used by the customer to perform the payment.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Identification <Id> | [0..1] | Text | | 912 |
| | Type <Tp> | [0..1] | Text | | 912 |
| | Provider <Prvdr> | [0..1] | Text | | 912 |

19.1.7.13.1 Identification <Id>

Presence: [0..1]

Definition: Identifier of the component.

Datatype: "Max35Text" on page 1088

19.1.7.13.2 Type <Tp>

Presence: [0..1]

Definition: Type of component.

Datatype: "Max70Text" on page 1090

19.1.7.13.3 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the component.

Datatype: "Max35Text" on page 1088

19.1.7.14 CustomerOrder1

Definition: Customer order attached to a customer, recorded in the POI system.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | CustomerOrderIdentification <CstmrOrdrId> | [1..1] | Text | | 912 |
| | SaleReferenceldentification <SaleRefId> | [1..1] | Text | | 912 |
| | OpenOrderState <OpnOrdrStat> | [0..1] | Indicator | | 913 |
| | StartDate <StartDt> | [1..1] | DateTime | | 913 |
| | EndDate <EndDt> | [0..1] | DateTime | | 913 |
| | Unit <Unit> | [0..1] | CodeSet | | 913 |
| | ForecastedAmount <FrcstdAmt> | [1..1] | Amount | | 913 |
| | CurrentAmount <CurAmt> | [0..1] | Amount | | 913 |
| | Currency <Ccy> | [0..1] | CodeSet | C1 | 913 |
| | AccessedBy <AccsdBy> | [0..1] | Text | | 914 |
| | AdditionalInformation <AddtlInfr> | [0..1] | Text | | 914 |

19.1.7.14.1 CustomerOrderIdentification <CstmrOrdrId>

Presence: [1..1]

Definition: Identification of a customer order.

Datatype: "Max35Text" on page 1088

19.1.7.14.2 SaleReferenceldentification <SaleRefId>

Presence: [1..1]

Definition: Identification of a Sale transaction for a sequence of related POI transactions.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.14.3 OpenOrderState <OpnOrdrStat>

Presence: [0..1]

Definition: Specifies if a customer order is currently open.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.14.4 StartDate <StartDt>

Presence: [1..1]

Definition: Date time of the beginning of an operation.

Datatype: ["ISODATETIME" on page 1081](#)

19.1.7.14.5 EndDate <EndDt>

Presence: [0..1]

Definition: Date time of the end of an operation.

Datatype: ["ISODATETIME" on page 1081](#)

19.1.7.14.6 Unit <Unit>

Presence: [0..1]

Definition: Unit of amount.

Datatype: ["AmountUnit1Code" on page 1026](#)

| CodeName | Name | Definition |
|----------|----------|--|
| MONE | Monetary | The amount is expressed in a monetary value in a currency. |
| POIN | Point | The amount is expressed in point. |

19.1.7.14.7 ForecastedAmount <FrcstdAmt>

Presence: [1..1]

Definition: Initial or global amount of the order.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.14.8 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Total amount of all completed transactions of a customer order.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.14.9 Currency <Ccy>

Presence: [0..1]

Definition: Currency of monetary amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1017

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.1.7.14.10 AccessedBy <AccsdBy>

Presence: [0..1]

Definition: Identification of an entity accessing data to perform an operation.

Datatype: "Max35Text" on page 1088

19.1.7.14.11 AdditionalInformation <AddtlInft>

Presence: [0..1]

Definition: Unqualified information related to customer order.

Datatype: "Max1025Text" on page 1085

19.1.7.15 PointOfInteractionCapabilities9

Definition: Capabilities of the POI (Point Of Interaction) performing the transaction.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | CardReadingCapabilities <CardRdngCpbilities> | [0..*] | CodeSet | | 915 |
| | CardholderVerificationCapabilities <CrdhldrVrfctnCpbilities> | [0..*] | CodeSet | | 915 |
| | PINLengthCapabilities <PINLngthCpbilities> | [0..1] | Quantity | | 916 |
| | ApprovalCodeLength <ApprvlCdLngth> | [0..1] | Quantity | | 916 |
| | MaxScriptLength <MxScrptLngth> | [0..1] | Quantity | | 916 |
| | CardCaptureCapable <CardCaptrCpbli> | [0..1] | Indicator | | 916 |
| | OnLineCapabilities <OnLineCpbilities> | [0..1] | CodeSet | | 916 |
| | MessageCapabilities <MsgCpbilities> | [0..*] | | | 917 |
| | Destination <Dstn> | [1..*] | CodeSet | | 917 |
| | AvailableFormat <AvlblFrmt> | [0..*] | CodeSet | | 917 |
| | NumberOfLines <NbOfLines> | [0..1] | Quantity | | 918 |
| | LineWidth <LineWidth> | [0..1] | Quantity | | 918 |
| | AvailableLanguage <AvlblLang> | [0..*] | CodeSet | C6 | 918 |

19.1.7.15.1 CardReadingCapabilities <CardRdngCpbIties>

Presence: [0..*]

Definition: Card reading capabilities of the POI (Point Of Interaction) performing the transaction.

Datatype: ["CardDataReading8Code" on page 1033](#)

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

19.1.7.15.2 CardholderVerificationCapabilities <CrhldrVrfctnCpbIties>

Presence: [0..*]

Definition: Cardholder verification capabilities of the POI (Point Of Interaction) performing the transaction.

Datatype: ["CardholderVerificationCapability4Code" on page 1034](#)

| CodeName | Name | Definition |
|----------|-------------------------|---|
| APKI | AccountDigitalSignature | Account based digital signature. |
| CHDT | CardholderData | Cardholder authentication data. |
| MNSG | ManualSignature | Manual signature verification. |
| MNVR | ManualVerification | Other manual verification, for example passport or drivers license. |
| FBIG | OfflineBiographics | Offline biographics. |
| FBIO | OfflineBiometrics | Offline biometrics. |
| FDSG | OfflineDigitalSignature | Offline digital signature analysis. |

| CodeName | Name | Definition |
|----------|--------------------------|---|
| FCPN | OfflinePINClear | Offline PIN in clear (Personal Identification Number). |
| FEPN | OfflinePINEncrypted | Offline PIN encrypted (Personal Identification Number). |
| NPIN | OnLinePIN | Online PIN (Personal Identification Number). |
| PKIS | PKISignature | PKI (Public Key Infrastructure) based digital signature. |
| SCEC | SecureElectronicCommerce | Three domain secure (three domain secure authentication of the cardholder). |
| NBIO | OnLineBiometrics | Online biometrics. |
| NOVF | NoCapabilities | No cardholder verification capability. |
| OTHR | Other | Other cardholder verification capabilities. |

19.1.7.15.3 PINLengthCapabilities <PINLngthCpbilities>

Presence: [0..1]

Definition: Maximum number of digits the POI is able to accept when the cardholder enters its PIN.

Datatype: ["PositiveNumber" on page 1084](#)

19.1.7.15.4 ApprovalCodeLength <ApprvICdLngh>

Presence: [0..1]

Definition: Maximum number of characters of the approval code the POI is able to manage.

Datatype: ["PositiveNumber" on page 1084](#)

19.1.7.15.5 MaxScriptLength <MxScprtLngh>

Presence: [0..1]

Definition: Maximum data length in bytes that a card issuer can return to the ICC at the terminal.

Datatype: ["PositiveNumber" on page 1084](#)

19.1.7.15.6 CardCaptureCapable <CardCaptrCpbl>

Presence: [0..1]

Definition: True if the POI is able to capture card.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1083](#)):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.15.7 OnLineCapabilities <OnLineCpbilities>

Presence: [0..1]

Definition: On-line and off-line capabilities of the POI (Point Of Interaction).

Datatype: ["OnLineCapability1Code" on page 1051](#)

| CodeName | Name | Definition |
|----------|-------------|--|
| OFLN | OffLine | Off-line only capable. |
| ONLN | OnLine | On-line only capable. |
| SMON | SemiOffLine | Off-line capable with possible on-line requests to the acquirer. |

19.1.7.15.8 MessageCapabilities <MsgCpbIties>

Presence: [0..*]

Definition: Capabilities of the terminal to display or print message to the cardholder and the merchant.

MessageCapabilities <MsgCpbIties> contains the following **DisplayCapabilities4** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------|--------|----------|-------------|------|
| | Destination <Dstn> | [1..*] | CodeSet | | 917 |
| | AvailableFormat <AvlblFrmt> | [0..*] | CodeSet | | 917 |
| | NumberOfLines <NbOfLines> | [0..1] | Quantity | | 918 |
| | LineWidth <LineWidth> | [0..1] | Quantity | | 918 |
| | AvailableLanguage <AvlblLang> | [0..*] | CodeSet | C6 | 918 |

19.1.7.15.8.1 Destination <Dstn>

Presence: [1..*]

Definition: Destination of the message to present.

Datatype: ["UserInterface4Code" on page 1081](#)

| CodeName | Name | Definition |
|----------|--------------------------|---|
| CDSP | CardholderDisplay | Cardholder display or interface. |
| CRCP | CardholderReceipt | Cardholder receipt. |
| MDSP | MerchantDisplay | Merchant display or interface. |
| MRCP | MerchantReceipt | Merchant receipt. |
| CRDO | OtherCardholderInterface | Other interface of the cardholder, for instance e-mail or smartphone message. |

19.1.7.15.8.2 AvailableFormat <AvlblFrmt>

Presence: [0..*]

Definition: Available message format.

Datatype: ["OutputFormat1Code" on page 1052](#)

| CodeName | Name | Definition |
|----------|------------------|--|
| MREF | MessageReference | Predefined configured messages, identified by a reference. |
| TEXT | SimpleText | Text without format attributes. |

| CodeName | Name | Definition |
|----------|-------|---|
| HTML | XHTML | XHTML document which includes a subset of the XHTML output tag. |

19.1.7.15.8.3 NumberOfLines <NbOfLines>

Presence: [0..1]

Definition: Number of lines of the display.

Datatype: "Number" on page 1084

19.1.7.15.8.4 LineWidth <LineWidth>

Presence: [0..1]

Definition: Number of columns of the display or printer.

Datatype: "Number" on page 1084

19.1.7.15.8.5 AvailableLanguage <AvlblLang>

Presence: [0..*]

Definition: Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C6 "ValidationByTable"

Datatype: "LanguageCode" on page 1048

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.1.7.16 AggregationTransaction3

Definition: Payment transaction with an aggregated amount.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|----------|-------------|------|
| | FirstPaymentDateTime <FrstPmtDtTm> | [0..1] | DateTime | | 918 |
| | LastPaymentDateTime <LastPmtDtTm> | [0..1] | DateTime | | 919 |
| | NumberOfPayments <NbOfPmts> | [0..1] | Quantity | | 919 |
| | IndividualPayment <IndvPmt> | [0..*] | | | 919 |
| | Amount <Amt> | [1..1] | Amount | | 919 |
| | DateTime <DtTm> | [1..1] | DateTime | | 919 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 919 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 920 |
| | Label <Labl> | [0..1] | Text | | 920 |

19.1.7.16.1 FirstPaymentDateTime <FrstPmtDtTm>

Presence: [0..1]

Definition: Date and time of the first payment.

Datatype: ["ISODateTime" on page 1081](#)

19.1.7.16.2 LastPaymentDateTime <LastPmtDtTm>

Presence: [0..1]

Definition: Date and time of the last payment.

Datatype: ["ISODateTime" on page 1081](#)

19.1.7.16.3 NumberOfPayments <NbOfPmts>

Presence: [0..1]

Definition: Total number of payments that has been aggregated.

Datatype: ["Number" on page 1084](#)

19.1.7.16.4 IndividualPayment <IndvPmt>

Presence: [0..*]

Definition: Individual payment that has been aggregated.

IndividualPayment <IndvPmt> contains the following **DetailedAmount21** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|----------|-------------|------|
| | Amount <Amt> | [1..1] | Amount | | 919 |
| | DateTime <DtTm> | [1..1] | DateTime | | 919 |
| | CardDataEntryMode <CardDataNtryMd> | [0..1] | CodeSet | | 919 |
| | ICCRelatedData <ICCRltdData> | [0..1] | Binary | | 920 |
| | Label <Labl> | [0..1] | Text | | 920 |

19.1.7.16.4.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.16.4.2 DateTime <DtTm>

Presence: [1..1]

Definition: Date and time of the payment.

Datatype: ["ISODateTime" on page 1081](#)

19.1.7.16.4.3 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Card data entry mode for the related payment.

Datatype: ["CardDataReading8Code" on page 1033](#)

| CodeName | Name | Definition |
|----------|----------------------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

19.1.7.16.4.4 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data of an integrated circuit card application for the related payment.

Datatype: ["Max10000Binary" on page 1014](#)

19.1.7.16.4.5 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: ["Max140Text" on page 1086](#)

19.1.7.17 Product6

Definition: Purchased item.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | ItemIdentification <ItmId> | [0..1] | Text | | 921 |
| | ProductCode <PdctCd> | [1..1] | Text | | 921 |
| | AdditionalProductCode <AddtlPdctCd> | [0..1] | Text | | 921 |
| | UnitOfMeasure <UnitOfMeasr> | [0..1] | CodeSet | | 921 |
| | ProductQuantity <PdctQty> | [0..1] | Quantity | | 923 |
| | UnitPrice <UnitPric> | [0..1] | Amount | | 923 |
| | UnitPriceSign <UnitPricSgn> | [0..1] | Indicator | | 923 |
| | ProductAmount <PdctAmt> | [1..1] | Amount | | 924 |
| | ProductAmountSign <PdctAmtSgn> | [0..1] | Indicator | | 924 |
| | ValueAddedTax <ValAddedTax> | [0..1] | Amount | | 924 |
| | TaxType <TaxTp> | [0..1] | Text | | 924 |
| | ProductDescription <PdctDesc> | [0..1] | Text | | 924 |
| | DeliveryLocation <DlvryLctn> | [0..1] | Text | | 924 |
| | DeliveryService <DlvrySvc> | [0..1] | CodeSet | | 924 |
| | SaleChannel <SaleChnl> | [0..1] | Text | | 925 |
| | AdditionalProductDescription <AddtlPdctDesc> | [0..1] | Text | | 925 |

19.1.7.17.1 ItemIdentification <ItmId>

Presence: [0..1]

Definition: Identification of the item inside the purchase transaction.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.17.2 ProductCode <PdctCd>

Presence: [1..1]

Definition: Product code of the item.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.17.3 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional product code related to the product.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.17.4 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: ["UnitOfMeasure6Code" on page 1079](#)

| CodeName | Name | Definition |
|-----------------|-----------------|--|
| PIEC | Piece | Standard length of cloth, wallpaper, as an item for sale or amount of a substance. |
| TONS | Ton | Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton). |
| FOOT | Foot | Unit of length equal to 1/3 yard. |
| GBGA | GBGallon | Unit of volume that is equal to 8 pints. |
| USGA | USGallon | Unit of volume that is equal to 8 pints. |
| GRAM | Gram | Unit of measure that is equal to a 1, 000th of a kilo. |
| INCH | Inch | Measure of length equal to 2.54 cm. |
| KILO | Kilogram | Basic unit of mass in the SI system, 1000 grams. |
| PUND | Pound | Unit of weight equal to 0.454 kilograms. |
| METR | Metre | Unit of length in the metric system, equal to 39.37 inches. |
| CMET | Centimetre | Unit of measure that is equal to one hundredth of a metre. |
| MMET | Millimetre | Unit of measure that is a thousandth of one metre. |
| LITR | Litre | Unit of volume that is equal to a thousand cubic centimetres. |
| CELI | Centilitre | Unit of volume that is equal to one hundredth of a litre. |
| MILI | MilliLitre | Unit of volume that is equal to one thousandth of a litre. |
| GBOU | GBOunce | Unit of weight equal to a sixteenth of a pound. |
| USOU | USOunce | Unit of weight equal to a sixteenth of a pound. |
| GBQA | GBQuart | Unit of volume that is equal to 2 pints. |
| USQA | USQuart | Unit of volume that is equal to 2 pints. |
| GBPI | GBPint | Unit of volume that is equal to 568 cubic centimetres. |
| USPI | USPint | Unit of volume that is equal to 473 cubic centimetres. |
| MILE | Mile | Unit of length equal to 1, 760 yards. |
| KMET | Kilometre | Unit of measure that is equal to 1, 000 meters. |
| YARD | Yard | Unit of length equal to 3 feet or 0.9144 metre. |
| SQKI | SquareKilometre | Measure of a surface, one kilometre by one kilometre. |

| CodeName | Name | Definition |
|----------|--------------------------|---|
| HECT | Hectare | Unit of measure that is equal to 10, 000 square meters. |
| ARES | Are | Unit of measure equal to a 100 square meters. |
| SMET | SquareMetre | Measure of a surface, one metre by one metre. |
| SCMT | SquareCentimetre | Measure of a surface, one centimetre by one centimetre. |
| SMIL | SquareMillimetre | Measure of a surface, one millimetre by one millimetre. |
| SQMI | SquareMile | Measure of a surface, one mile by one mile. |
| SQYA | SquareYard | Measure of a surface, one yard by one yard. |
| SQFO | SquareFoot | Measure of a surface, one foot by one foot. |
| SQIN | SquareInch | Measure of a surface, one inch by one inch. |
| ACRE | Acre | Unit of measure equal to 4, 840 square yards. |
| KWHO | KilowattHours | Unit of measure that is equal to the power consumption of one kilowatt during one hour. |
| DGEU | DieselGallonEquivalent | Amount of fuel alternative equal to one gallon of diesel. |
| GGEU | GasolineGallonEquivalent | Amount of fuel alternative equal to one gallon of gasoline. |

19.1.7.17.5 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Product quantity.

Datatype: ["DecimalNumber" on page 1084](#)

19.1.7.17.6 UnitPrice <UnitPric>

Presence: [0..1]

Definition: Price per unit of product.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.17.7 UnitPriceSign <UnitPricSgn>

Presence: [0..1]

Definition: Sign of the unit price.

Datatype: One of the following values must be used (see ["PlusOrMinusIndicator" on page 1083](#)):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.7.17.8 ProductAmount <PdctAmt>

Presence: [1..1]

Definition: Monetary value of purchased product.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.17.9 ProductAmountSign <PdctAmtSgn>

Presence: [0..1]

Definition: Sign of the product amount.

Datatype: One of the following values must be used (see ["PlusOrMinusIndicator" on page 1083](#)):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.1.7.17.10 ValueAddedTax <ValAddedTax>

Presence: [0..1]

Definition: Value added tax amount of the item included in the product amount.

Datatype: ["ImpliedCurrencyAndAmount" on page 1013](#)

19.1.7.17.11 TaxType <TaxTp>

Presence: [0..1]

Definition: Information on tax paid on the product.

Datatype: ["Max35Text" on page 1088](#)

19.1.7.17.12 ProductDescription <PdctDesc>

Presence: [0..1]

Definition: Description of the product or item.

Datatype: ["Max140Text" on page 1086](#)

19.1.7.17.13 DeliveryLocation <DlvryLctn>

Presence: [0..1]

Definition: Location of the delivery of the item, for instance pump number or parking bay.

Datatype: ["Max10Text" on page 1086](#)

19.1.7.17.14 DeliveryService <DlvrySvc>

Presence: [0..1]

Definition: Identify the method of delivery or distribution of the item.

Datatype: ["AttendanceContext2Code" on page 1027](#)

| CodeName | Name | Definition |
|----------|-------------------|-------------------------------------|
| ATTL | AttendantDelivery | Delivery by an attendant. |
| CARR | CarrierDelivery | Delivery by a carrier. |
| CUST | CustomerDelivery | Delivery by the customer. |
| FULL | FullServe | Full service for fuel distribution. |
| SELF | SelfServe | Self service for fuel distribution. |

19.1.7.17.15 SaleChannel <SaleChanl>

Presence: [0..1]

Definition: Commercial or distribution channel associated to the line item.

Datatype: ["Max70Text" on page 1090](#)

19.1.7.17.16 AdditionalProductDescription <AddtlPdctDesc>

Presence: [0..1]

Definition: Additional information related to the line item.

Datatype: ["Max256Text" on page 1087](#)

19.1.7.18 Vehicle1

Definition: Information related to a vehicle used during a transaction.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|-----------|-------------|------|
| | VehicleNumber <VhclNb> | [0..1] | Text | | 926 |
| | TrailerNumber <TrlrNb> | [0..1] | Text | | 926 |
| | VehicleTag <VhclTag> | [0..1] | Text | | 927 |
| | VehicleTagEntryMode <VhclTagNtryMd> | [0..1] | CodeSet | | 927 |
| | UnitNumber <UnitNb> | [0..1] | Text | | 927 |
| | ReplacementCar <RplcmntCar> | [0..1] | Indicator | | 927 |
| | Odometer <Odmtr> | [0..1] | Quantity | | 927 |
| | Hubometer <Hbmtr> | [0..1] | Quantity | | 928 |
| | TrailerHours <TrlrHrs> | [0..1] | Text | | 928 |
| | ReferHours <RefrHrs> | [0..1] | Text | | 928 |
| | MaintenanceIdentification <MntnclId> | [0..1] | Text | | 928 |
| | DriverOrVehicleCard <DrvrOrVhclCard> | [0..1] | | | 928 |
| | PAN <PAN> | [0..1] | Text | | 928 |
| | Track1 <Trck1> | [0..1] | Text | | 929 |
| | Track2 <Trck2> | [0..1] | Text | | 929 |
| | Track3 <Trck3> | [0..1] | Text | | 929 |
| | AdditionalCardData <AddtlCardData> | [0..*] | Text | | 929 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 929 |
| | AdditionalVehicleData <AddtlVhclData> | [0..*] | | | 930 |
| | Type <Tp> | [0..1] | Text | | 930 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 930 |
| | Data <Data> | [1..1] | Text | | 931 |

19.1.7.18.1 VehicleNumber <VhclNb>

Presence: [0..1]

Definition: Number assigned to the vehicle for identification.

Datatype: ["Max35NumericText" on page 1088](#)

19.1.7.18.2 TrailerNumber <TrlrNb>

Presence: [0..1]

Definition: Number assigned to the vehicle trailer for identification.

Datatype: ["Max35NumericText" on page 1088](#)

19.1.7.18.3 VehicleTag <VhclTag>

Presence: [0..1]

Definition: Registration tag of the vehicle.

Datatype: "Max35Text" on page 1088

19.1.7.18.4 VehicleTagEntryMode <VhclTagNtryMd>

Presence: [0..1]

Definition: Entry mode of the registration tag.

Datatype: "CardDataReading5Code" on page 1032

| CodeName | Name | Definition |
|----------|--------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |

19.1.7.18.5 UnitNumber <UnitNb>

Presence: [0..1]

Definition: Identification of the vehicle in the fleet.

Datatype: "Max35NumericText" on page 1088

19.1.7.18.6 ReplacementCar <RplcmntCar>

Presence: [0..1]

Definition: True if the car is a replacement car.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.7.18.7 Odometer <Odmtr>

Presence: [0..1]

Definition: Odometer reading value indicating the distance travelled by the vehicle.

Datatype: "DecimalNumber" on page 1084

19.1.7.18.8 Hubometer <Hbmtr>

Presence: [0..1]

Definition: Hubometer reading value indicating the distance travelled by the trailer.

Datatype: "DecimalNumber" on page 1084

19.1.7.18.9 TrailerHours <TrlrHrs>

Presence: [0..1]

Definition: Number of hours the trailer has been in operation.

Datatype: "Max35Text" on page 1088

19.1.7.18.10 ReferHours <RefrHrs>

Presence: [0..1]

Definition: Number of hours the refer unit has been in operation.

Datatype: "Max35Text" on page 1088

19.1.7.18.11 MaintenanceIdentification <MntnclId>

Presence: [0..1]

Definition: Identification assigned to the vehicle related to maintenance.

Datatype: "Max35Text" on page 1088

19.1.7.18.12 DriverOrVehicleCard <DrvrOrVhclCard>

Presence: [0..1]

Definition: Second card presented for the payment transaction.

DriverOrVehicleCard <DrvrOrVhclCard> contains the following PlainCardData17 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------------|--------|---------|-------------|------|
| | PAN <PAN> | [0..1] | Text | | 928 |
| | Track1 <Trck1> | [0..1] | Text | | 929 |
| | Track2 <Trck2> | [0..1] | Text | | 929 |
| | Track3 <Trck3> | [0..1] | Text | | 929 |
| | AdditionalCardData <AddtlCardData> | [0..*] | Text | | 929 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 929 |

19.1.7.18.12.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1091

19.1.7.18.12.2 Track1 <Trck1>

Presence: [0..1]

Definition: ISO track 1 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The format is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max76Text" on page 1090

19.1.7.18.12.3 Track2 <Trck2>

Presence: [0..1]

Definition: ISO track 2 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max37Text" on page 1088

19.1.7.18.12.4 Track3 <Trck3>

Presence: [0..1]

Definition: ISO track 3 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 4909, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max104Text" on page 1086

19.1.7.18.12.5 AdditionalCardData <AddtlCardData>

Presence: [0..*]

Definition: Additional card issuer specific data.

Datatype: "Max35Text" on page 1088

19.1.7.18.12.6 EntryMode <NtryMd>

Presence: [0..1]

Definition: Entry mode of the card.

Datatype: "CardDataReading5Code" on page 1032

| CodeName | Name | Definition |
|----------|--------------------|---|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV |

| CodeName | Name | Definition |
|----------|------------|---|
| | | (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |

19.1.7.18.13 AdditionalVehicleData <AddtlVhclData>

Presence: [0..*]

Definition: Additional information related to the vehicle.

AdditionalVehicleData <AddtlVhclData> contains the following Vehicle2 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Type <Tp> | [0..1] | Text | | 930 |
| | EntryMode <NtryMd> | [0..1] | CodeSet | | 930 |
| | Data <Data> | [1..1] | Text | | 931 |

19.1.7.18.13.1 Type <Tp>

Presence: [0..1]

Definition: Type of information related to the vehicle.

Datatype: "Max35Text" on page 1088

19.1.7.18.13.2 EntryMode <NtryMd>

Presence: [0..1]

Definition: Entry mode of the information.

Datatype: "CardDataReading5Code" on page 1032

| CodeName | Name | Definition |
|----------|--------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |

19.1.7.18.13.3 Data <Data>

Presence: [1..1]

Definition: Information related to the vehicle.

Datatype: "Max35Text" on page 1088

19.1.7.19 TransactionIdentifier1

Definition: Identification of the transaction in an unambiguous way.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|------------------------------|--------|----------|-------------|------|
| | TransactionDateTime <TxDtTm> | [1..1] | DateTime | | 931 |
| | TransactionReference <TxRef> | [1..1] | Text | | 931 |

19.1.7.19.1 TransactionDateTime <TxDtTm>

Presence: [1..1]

Definition: Local date and time of the transaction assigned by the POI (Point Of Interaction).

Datatype: "ISODateTime" on page 1081

19.1.7.19.2 TransactionReference <TxRef>

Presence: [1..1]

Definition: Identification of the transaction that has to be unique for a time period.

Datatype: "Max35Text" on page 1088

19.1.8 Monitoring

19.1.8.1 Traceability8

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------|--------|----------|-------------|------|
| | RelayIdentification <Rlайд> | [1..1] | ± | | 931 |
| | ProtocolName <PrtcolNm> | [0..1] | Text | | 932 |
| | ProtocolVersion <PrtcolVrsn> | [0..1] | Text | | 932 |
| | TraceDateTimeIn <TracDtTmIn> | [1..1] | DateTime | | 932 |
| | TraceDateTimeOut <TracDtTmOut> | [1..1] | DateTime | | 932 |

19.1.8.1.1 RelayIdentification <Rlайд>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RllyId> contains the following elements (see "[GenericIdentification177](#)" on page 754 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Identification </d> | [1..1] | Text | | 755 |
| | Type <Tp> | [0..1] | CodeSet | | 755 |
| | Issuer </ssr> | [0..1] | CodeSet | | 756 |
| | Country <Ctry> | [0..1] | Text | | 756 |
| | ShortName <ShrtNm> | [0..1] | Text | | 756 |
| | RemoteAccess <RmotAccs> | [0..1] | ± | | 757 |
| | Geolocation <Glctn> | [0..1] | | | 757 |
| | GeographicCoordinates <GeogcCordints> | [0..1] | | | 757 |
| | Latitude <Lat> | [1..1] | Text | | 758 |
| | Longitude <Long> | [1..1] | Text | | 758 |
| | UTMCoordinates <UTMCordints> | [0..1] | | | 758 |
| | UTMZone <UTMZone> | [1..1] | Text | | 758 |
| | UTMEastward <UTMEstwrd> | [1..1] | Text | | 758 |
| | UTMNorthward <UTMNrthwrd> | [1..1] | Text | | 759 |

19.1.8.1.2 ProtocolName <PrtcolNm>

Presence: [0..1]

Definition: Name of the outgoing protocol used by the node.

Datatype: "[Max35Text](#)" on page 1088

19.1.8.1.3 ProtocolVersion <PrtcolVrsn>

Presence: [0..1]

Definition: Version of the protocol.

Datatype: "[Max6Text](#)" on page 1089

19.1.8.1.4 TraceDateTimeIn <TracDtTmIn>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 1081

19.1.8.1.5 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 1081

19.1.8.2 TMSEvent11

Definition: Result of an individual terminal management action performed by the point of interaction.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|----------|-------------|------|
| | TimeStamp <TmStamp> | [1..1] | DateTime | | 933 |
| | Result <RsIt> | [1..1] | CodeSet | | 933 |
| | ActionIdentification <ActnId> | [1..1] | | | 934 |
| | ActionType <ActnTp> | [1..1] | CodeSet | | 934 |
| | DataSetIdentification <DataSetId> | [0..1] | ± | | 935 |
| | AdditionalErrorInformation <AddtlErrInf> | [0..1] | Text | | 935 |
| | TerminalManagerIdentification <TermnlMgrId> | [0..1] | Text | | 935 |
| | DeviceResponse <DvcRspn> | [0..1] | ± | | 935 |

19.1.8.2.1 TimeStamp <TmStamp>

Presence: [1..1]

Definition: Date time of the terminal management action performed by the point of interaction.

Datatype: "ISODATETIME" on page 1081

19.1.8.2.2 Result <RsIt>

Presence: [1..1]

Definition: Final result of the processed terminal management action.

Datatype: "TerminalManagementActionResult5Code" on page 1075

| CodeName | Name | Definition |
|----------|--------------------|---|
| ACCD | AccessDenied | Access is denied while performing the action. |
| CNTE | ConnectionError | Problem to connect while performing the action. |
| FMTE | FormatError | Data transferred has a wrong format. |
| INVC | InvalidContent | Content of the data is invalid. |
| LENE | LengthError | Data transferred has a wrong length. |
| OVER | MemoryOverflow | Memory to store the 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. |

19.1.8.2.3 ActionIdentification <ActnId>

Presence: [1..1]

Definition: Identification of the terminal management action performed by the point of interaction.

ActionIdentification <ActnId> contains the following **TMSActionIdentification9** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|---------|-------------|------|
| | ActionType <ActnTp> | [1..1] | CodeSet | | 934 |
| | DataSetIdentification <DataSetId> | [0..1] | ± | | 935 |

19.1.8.2.3.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Types of terminal management action performed by a point of interaction.

Datatype: ["TerminalManagementAction5Code" on page 1074](#)

| CodeName | Name | Definition |
|----------|------------|---|
| DCTV | Deactivate | Request to deactivate the element identified inside the message exchange. |
| DELT | Delete | Request to delete the element identified inside the message exchange. |
| DWNL | Download | Request to download the element identified inside the message exchange. |
| INST | Install | Request to install the element identified inside the message exchange. |

| CodeName | Name | Definition |
|----------|---------------|---|
| RSTR | Restart | Request to restart the element identified inside the message exchange. |
| UPLD | Upload | Request to upload the element identified inside the message exchange. |
| UPDT | Update | Request to update the element identified inside the message exchange. |
| BIND | Bind | Request sent to a POI to bind with a server. |
| RBND | Rebind | Request sent to a POI to rebind with a server. |
| UBND | Unbind | Request sent to a POI to unbind with a server. |
| ACTV | Activate | Request to activate the element identified inside the message exchange. |
| DEVR | DeviceRequest | Request to execute a device request. |

19.1.8.2.3.2 DataSetIdentification <DataSetId>

Presence: [0..1]

Definition: Data set on which the action has been performed.

DataSetIdentification <DataSetId> contains the following elements (see "[DataSetIdentification10](#)" on page 885 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|----------|-------------|------|
| | Name <Nm> | [0..1] | Text | | 885 |
| | Type <Tp> | [1..1] | CodeSet | | 885 |
| | Version <Vrsn> | [0..1] | Text | | 886 |
| | CreationDateTime <CreDtTm> | [0..1] | DateTime | | 887 |

19.1.8.2.4 AdditionalErrorInformation <AddtlErrInf>

Presence: [0..1]

Definition: Additional information related to a failure.

Datatype: ["Max70Text" on page 1090](#)

19.1.8.2.5 TerminalManagerIdentification <TermnlMgrId>

Presence: [0..1]

Definition: Identification of the terminal management system (TMS) used with the action.

Datatype: ["Max35Text" on page 1088](#)

19.1.8.2.6 DeviceResponse <DvcRspn>

Presence: [0..1]

Definition: Response of a device request done previously.

DeviceResponse <DvcRspn> contains the following elements (see "DeviceResponse7" on page 675 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Environment <Envt> | [0..1] | ± | | 677 |
| | Context <Cntxt> | [0..1] | ± | | 683 |
| | ServiceContent <SvcCntr> | [1..1] | CodeSet | | 686 |
| | DisplayResponse <DispRspn> | [0..1] | | | 686 |
| | OutputResult <OutptRsIt> | [1..*] | | | 687 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 687 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 687 |
| | Response <Rspn> | [1..1] | ± | | 688 |
| | InputResponse <InptRspn> | [0..1] | | | 688 |
| | OutputResult <OutptRsIt> | [0..1] | | | 689 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 689 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 690 |
| | Response <Rspn> | [1..1] | ± | | 691 |
| | InputResult <InptRsIt> | [1..1] | | | 691 |
| | DeviceType <DvcTp> | [1..1] | CodeSet | | 691 |
| | InformationQualifier <InfQlfr> | [1..1] | CodeSet | | 692 |
| | InputResultData <InptRsItData> | [1..1] | | | 692 |
| | InputCommand <InptCmd> | [1..1] | CodeSet | | 693 |
| | ConfirmedFlag <ConfdFlg> | [0..1] | Indicator | | 694 |
| | FunctionKey <FctnKey> | [0..1] | Quantity | | 694 |
| | InputMessage <InptMsg> | [0..1] | Text | | 694 |
| | Password <Pwd> | [0..1] | ± | | 694 |
| | ImageCapturedSignature <ImgCaptrdSgntr> | [0..1] | | | 695 |
| | ImageFormat <ImgFrmt> | [1..1] | Text | | 695 |
| | ImageData <ImgData> | [0..1] | Binary | | 695 |
| | ImageReference <ImgRef> | [0..1] | Text | | 695 |
| | AdditionalInformation <AddtlInfo> | [0..1] | Text | | 695 |
| | PrintResponse <PrtRspn> | [0..1] | | | 695 |
| | DocumentQualifier <DocQlfr> | [1..1] | CodeSet | | 695 |
| | SecureInputResponse <ScrInptRspn> | [0..1] | | | 696 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | CardholderPIN <CrdhldrPIN> | [0..1] | | | 696 |
| | EncryptedPINBlock <NcrptdPINBlck> | [1..1] | ± | | 697 |
| | PINFormat <PINFrmt> | [1..1] | CodeSet | | 697 |
| | AdditionalInput <AddtlInpt> | [0..1] | Text | | 697 |
| | InitialisationCardReaderResponse <InitlstnCardRdrRspn> | [0..1] | | | 697 |
| | CardEntryMode <CardNtryMd> | [0..1] | CodeSet | | 698 |
| | ICCResetData <ICCRstData> | [0..1] | | | 698 |
| | ATRValue <ATRVal> | [0..1] | Binary | | 699 |
| | CardStatus <CardSts> | [0..1] | Binary | | 699 |
| | AdditionalInformation <AddtlInf> | [0..1] | Binary | | 699 |
| | CardReaderApplicationProtocolDataUnitResponse <CardRdrApplPrtcolDataUnitRspn> | [0..1] | | | 699 |
| | Data <Data> | [0..1] | Binary | | 699 |
| | CardStatus <CardSts> | [1..1] | Binary | | 699 |
| | TransmissionResponse <TrnsmssnRspn> | [0..1] | | | 700 |
| | ReceivedMessage <RcvdMsg> | [0..1] | Binary | | 700 |
| | Response <Rspn> | [1..1] | ± | | 700 |
| | SupplementaryData <SplmtryData> | [0..*] | ± | C5 | 700 |

19.1.9 Network Access

19.1.9.1 NetworkParameters7

Definition: Parameters to communicate with a host.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Address <Adr> | [1..*] | | | 938 |
| | NetworkType <NtwkTp> | [1..1] | CodeSet | | 938 |
| | AddressValue <AdrVal> | [1..1] | Text | | 938 |
| | UserName <UsrNm> | [0..1] | Text | | 938 |
| | AccessCode <AccsCd> | [0..1] | Binary | | 939 |
| | ServerCertificate <SvrCert> | [0..*] | Binary | | 939 |
| | ServerCertificateIdentifier <SvrCertldr> | [0..*] | Binary | | 939 |
| | ClientCertificate <ClntCert> | [0..*] | Binary | | 939 |
| | SecurityProfile <SctyPrfl> | [0..1] | Text | | 939 |

19.1.9.1.1 Address <Adr>

Presence: [1..*]

Definition: Network addresses of the host.

Address <Adr> contains the following **NetworkParameters** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | NetworkType <NtwkTp> | [1..1] | CodeSet | | 938 |
| | AddressValue <AdrVal> | [1..1] | Text | | 938 |

19.1.9.1.1.1 NetworkType <NtwkTp>

Presence: [1..1]

Definition: Type of communication network.

Datatype: "NetworkType1Code" on page 1051

| CodeName | Name | Definition |
|----------|------------------|---|
| IPNW | InternetProtocol | Protocol of an IP network. |
| PSTN | PublicTelephone | Protocol of a Public Switched Telephone Network (PSTN). |

19.1.9.1.1.2 AddressValue <AdrVal>

Presence: [1..1]

Definition: Value of the address. The value of an internet protocol address contains the IP address or the DNS (Domain Name Server) address, followed by the character ':' and the port number if the default port is not used. The value of a public telephone address contains the phone number with possible prefix and extensions.

Datatype: "Max500Text" on page 1089

19.1.9.1.2 UserName <UsrNm>

Presence: [0..1]

Definition: User name identifying the client.

Datatype: ["Max35Text" on page 1088](#)

19.1.9.1.3 AccessCode <AccsCd>

Presence: [0..1]

Definition: Password authenticating the client.

Datatype: ["Max35Binary" on page 1015](#)

19.1.9.1.4 ServerCertificate <SvrCert>

Presence: [0..*]

Definition: X.509 Certificate required to authenticate the server.

Datatype: ["Max10KBinary" on page 1014](#)

19.1.9.1.5 ServerCertificateIdentifier <SvrCertIdr>

Presence: [0..*]

Definition: Identification of the X.509 Certificates required to authenticate the server, for instance a digest of the certificate.

Datatype: ["Max140Binary" on page 1014](#)

19.1.9.1.6 ClientCertificate <ClntCert>

Presence: [0..*]

Definition: X.509 Certificate required to authenticate the client.

Datatype: ["Max10KBinary" on page 1014](#)

19.1.9.1.7 SecurityProfile <SctyPrfl>

Presence: [0..1]

Definition: Identification of the set of security elements to access the host.

Datatype: ["Max35Text" on page 1088](#)

19.1.10 Postal Address

19.1.10.1 PostalAddress22

Definition: Information that locates and identifies a specific address, as defined by postal services.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | AddressType <AdrTp> | [0..1] | CodeSet | | 940 |
| | Department <Dept> | [0..1] | Text | | 940 |
| | SubDepartment <SubDept> | [0..1] | Text | | 940 |
| | AddressLine <AdrLine> | [0..2] | Text | | 940 |
| | StreetName <StrtNm> | [0..1] | Text | | 941 |
| | BuildingNumber <BldgNb> | [0..1] | Text | | 941 |
| | PostCode <PstCd> | [0..1] | Text | | 941 |
| | TownName <TwnNm> | [0..1] | Text | | 941 |
| | CountrySubDivision <CtrySubDvsn> | [0..2] | Text | | 941 |
| | CountryCode <CtryCd> | [0..1] | Text | | 941 |

19.1.10.1.1 AddressType <AdrTp>

Presence: [0..1]

Definition: Identifies the nature of the postal address.

Datatype: ["AddressType2Code" on page 1017](#)

| CodeName | Name | Definition |
|----------|-------------|--|
| ADDR | Postal | Address is the complete postal address. |
| PBOX | POBox | Address is a postal office (PO) box. |
| HOME | Residential | Address is the home address. |
| BIZZ | Business | Address is the business address. |
| MLTO | MailTo | Address is the address to which mail is sent. |
| DLVY | DeliveryTo | Address is the address to which delivery is to take place. |

19.1.10.1.2 Department <Dept>

Presence: [0..1]

Definition: Identification of a division of a large organisation or building.

Datatype: ["Max70Text" on page 1090](#)

19.1.10.1.3 SubDepartment <SubDept>

Presence: [0..1]

Definition: Identification of a sub-division of a large organisation or building.

Datatype: ["Max70Text" on page 1090](#)

19.1.10.1.4 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, presented in free format text.

Datatype: ["Max70Text" on page 1090](#)

19.1.10.1.5 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: ["Max70Text" on page 1090](#)

19.1.10.1.6 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: ["Max16Text" on page 1086](#)

19.1.10.1.7 PostCode <PstCd>

Presence: [0..1]

Definition: Identifier consisting of a group of letters and/or numbers that is added to a postal address to assist the sorting of mail.

Datatype: ["Max16Text" on page 1086](#)

19.1.10.1.8 TownName <TwnNm>

Presence: [0..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: ["Max70Text" on page 1090](#)

19.1.10.1.9 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country such as state, region, county.

Datatype: ["Max35Text" on page 1086](#)

19.1.10.1.10 CountryCode <CtryCd>

Presence: [0..1]

Definition: Nation with its own government.

Datatype: ["Min2Max3AlphaText" on page 1091](#)

19.1.11 Secure Element

19.1.11.1 EncapsulatedContent3

Definition: Data to authenticate.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 942 |
| | Content <Cntt> | [0..1] | Binary | | 942 |

19.1.11.1.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been authenticated.

Datatype: ["ContentType2Code" on page 1038](#)

| CodeName | Name | Definition |
|----------|-------------------|---|
| DATA | PlainData | Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data). |
| SIGN | SignedData | Digital signature - (ASN.1 Object Identifier: id-signedData). |
| EVLP | EnvelopedData | Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData). |
| DGST | DigestedData | Message digest - (ASN.1 Object Identifier: id-digestedData). |
| AUTH | AuthenticatedData | MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData). |

19.1.11.1.2 Content <Cntt>

Presence: [0..1]

Definition: Actual data to authenticate.

Datatype: ["Max100KBinary" on page 1014](#)

19.1.11.2 AlgorithmIdentification36

Definition: Cryptographic algorithm and parameters of digests.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 942 |

19.1.11.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: ["Algorithm26Code" on page 1018](#)

| CodeName | Name | Definition |
|----------|--------|---|
| HS25 | SHA256 | Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256). |

| CodeName | Name | Definition |
|----------|----------|--|
| HS38 | SHA384 | Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384). |
| HS51 | SHA512 | Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512). |
| HS01 | SHA1 | The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1). |
| SH31 | SHA3-224 | Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224). |
| SH32 | SHA3-256 | Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256). |
| SH33 | SHA3-384 | Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384). |
| SH35 | SHA3-512 | Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512). |
| SHK1 | SHAKE128 | Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128). |
| SHK2 | SHAKE256 | Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256). |
| SMS3 | SM3 | ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018. |

19.1.11.3 AlgorithmIdentification35

Definition: Cryptographic algorithms and parameters for the protection of transported keys by an asymmetric key.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 943 |
| | Parameter <Param> | [0..1] | | | 944 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 944 |
| | DigestAlgorithm <dgstAlgo> | [0..1] | CodeSet | | 944 |
| | MaskGeneratorAlgorithm <MskGnrtrAlgo> | [0..1] | ± | | 945 |

19.1.11.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Asymmetric encryption algorithm of a transport key.

Datatype: "Algorithm7Code" on page 1026

| CodeName | Name | Definition |
|----------|---------------|---|
| ERSA | RSAEncryption | RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption). |
| RSAO | RSAES-OAEP | RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP). |

19.1.11.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters of the encryption algorithm.

Parameter <Param> contains the following Parameter17 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 944 |
| | DigestAlgorithm <DgstAlgo> | [0..1] | CodeSet | | 944 |
| | MaskGeneratorAlgorithm <MskGnrtrAlgo> | [0..1] | ± | | 945 |

19.1.11.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1042

| CodeName | Name | Definition |
|----------|-----------------|--|
| TR31 | TR31 | Format of a cryptographic key specified by the ANSI X9 TR-31 standard. |
| TR34 | TR34 | Format of a cryptographic key specified by the ANSI X9 TR-34 standard. |
| I238 | ISO20038KeyWrap | Format of a cryptographic key specified by the ISO20038 standard. |

19.1.11.3.2.2 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm26Code" on page 1018

| CodeName | Name | Definition |
|----------|--------|---|
| HS25 | SHA256 | Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256). |
| HS38 | SHA384 | Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384). |

| CodeName | Name | Definition |
|----------|----------|--|
| HS51 | SHA512 | Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512). |
| HS01 | SHA1 | The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1). |
| SH31 | SHA3-224 | Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224). |
| SH32 | SHA3-256 | Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256). |
| SH33 | SHA3-384 | Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384). |
| SH35 | SHA3-512 | Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512). |
| SHK1 | SHAKE128 | Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128). |
| SHK2 | SHAKE256 | Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256). |
| SMS3 | SM3 | ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018. |

19.1.11.3.2.3 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following elements (see "AlgorithmIdentification34" on page 945 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 946 |
| | Parameter <Param> | [0..1] | | | 946 |
| | DigestAlgorithm <DigstAlgo> | [0..1] | CodeSet | | 946 |

19.1.11.4 AlgorithmIdentification34

Definition: Mask generator function cryptographic algorithm and parameters.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 946 |
| | Parameter <Param> | [0..1] | | | 946 |
| | DigestAlgorithm <DgstAlgo> | [0..1] | CodeSet | | 946 |

19.1.11.4.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: ["Algorithm8Code" on page 1026](#)

| CodeName | Name | Definition |
|----------|------|---|
| MGF1 | MGF1 | Generator Function, used for RSA encryption and RSA digital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1). |

19.1.11.4.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm.

Parameter <Param> contains the following **Parameter18** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | DigestAlgorithm <DgstAlgo> | [0..1] | CodeSet | | 946 |

19.1.11.4.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: ["Algorithm26Code" on page 1018](#)

| CodeName | Name | Definition |
|----------|--------|--|
| HS25 | SHA256 | Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256). |
| HS38 | SHA384 | Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384). |
| HS51 | SHA512 | Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512). |
| HS01 | SHA1 | The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1). |

| CodeName | Name | Definition |
|----------|----------|---|
| SH31 | SHA3-224 | Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224). |
| SH32 | SHA3-256 | Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256). |
| SH33 | SHA3-384 | Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384). |
| SH35 | SHA3-512 | Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512). |
| SHK1 | SHAKE128 | Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128). |
| SHK2 | SHAKE256 | Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256). |
| SMS3 | SM3 | ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018. |

19.1.11.5 AlgorithmIdentification33

Definition: Identification of a cryptographic algorithm and parameters for digital signatures.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|----------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 947 |
| | Parameter <Param> | [0..1] | | | 950 |
| | DigestAlgorithm <DstAlgo> | [0..1] | CodeSet | | 950 |
| | MaskGeneratorAlgorithm <MskGnrtrAlgo> | [0..1] | ± | | 951 |
| | SaltLength <SaltLngh> | [0..1] | Quantity | | 951 |
| | TrailerField <TrlrFld> | [0..1] | Quantity | | 952 |
| | OIDCurveName <O/DCrvNm> | [0..1] | Text | | 952 |

19.1.11.5.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm29Code" on page 1023

| CodeName | Name | Definition |
|----------|---------------|---|
| ERS2 | SHA256WithRSA | Signature algorithms with RSA, using SHA-256 digest algorithm - (ASN.1 Object Identifier: sha256WithRSAEncryption). |

| CodeName | Name | Definition |
|-----------------|-----------------|--|
| ERS1 | SHA1WithRSA | The DEPRECATED Signature algorithms with RSA (PKCS #1 version 2.1), using SHA-1 digest algorithm - (ASN.1 Object Identifier: sha1WithRSAEncryption). |
| RPSS | RSASSA-PSS | Signature algorithm with Appendix, Probabilistic Signature Scheme (PKCS #1 version 2.1), - (ASN.1 Object Identifier: id-RSASSA-PSS). |
| ERS3 | SHA3-256WithRSA | Signature algorithms with RSA, using SHA3-256 digest algorithm. (ASN.1 Object Identifier: id-rsassa-pkcs1-v1-5-with-sha3-256). |
| ED32 | EcdsaSha3-256 | Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| ED33 | EcdsaSha3-384 | Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| ED35 | EcdsaSha3-512 | Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| ED23 | EcdsaSha384 | Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| ED25 | EcdsaSha512 | Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| ES22 | EcdsaSha256 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| ES32 | EcdsaSha3-256 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| ES33 | EcdsaSha3-384 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| ES35 | EcdsaSha3-512 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| ES23 | EcdsaSha384 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| ES25 | EcdsaSha512 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| ED22 | EcdsaSha256 | Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| EF32 | EcdsaSha3-256 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |

| CodeName | Name | Definition |
|-----------------|------------------|--|
| EF22 | EcfdsdsaSha256 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| EF33 | EcfdsdsaSha3-384 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| EF35 | EcfdsdsaSha3-512 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm. |
| EF23 | EcfdsdsaSha384 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| EO33 | EcosdsaSha3-384 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| EF25 | EcfdsdsaSha512 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| EO32 | EcosdaSha3-256 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| EO22 | EcosdsaSha256 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| EO35 | EcosdsaSha3-512 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm. |
| EO23 | EcosdsaSha384 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| EO25 | EcosdsaSha512 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| DD22 | EddsaSha256 | Edward Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| DD32 | EddsaSha3-256 | Edward Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| DD33 | EddsaSha3-384 | Edward Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| DD35 | EddsaSha3-512 | Edward Curve Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm. |
| DD23 | EddsaSha384 | Edward Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| DD25 | EddsaSha512 | Edward Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |

| CodeName | Name | Definition |
|----------|-------------|---|
| SM22 | SM2Sha256 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| SM33 | SM2Sha3-384 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| SM32 | SM2Sha3-256 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| SM35 | SM2Sha3-512 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm. |
| SM23 | SM2Sha384 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| SM25 | SM2Sha512 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| S2S3 | SM2SM3 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with ShangMi3 Digest Algorithm. |

19.1.11.5.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters of the RSASSA-PSS digital signature algorithm (RSA signature algorithm with appendix: Probabilistic Signature Scheme).

Parameter <Param> contains the following Parameter16 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|----------|-------------|------|
| | DigestAlgorithm <dgstAlgo> | [0..1] | CodeSet | | 950 |
| | MaskGeneratorAlgorithm <MskGnrtrAlgo> | [0..1] | ± | | 951 |
| | SaltLength <SaltLnghth> | [0..1] | Quantity | | 951 |
| | TrailerField <TrlrFld> | [0..1] | Quantity | | 952 |
| | OIDCurveName <OIDCrvNm> | [0..1] | Text | | 952 |

19.1.11.5.2.1 DigestAlgorithm <dgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm26Code" on page 1018

| CodeName | Name | Definition |
|----------|--------|---|
| HS25 | SHA256 | Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256). |

| CodeName | Name | Definition |
|----------|----------|--|
| HS38 | SHA384 | Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384). |
| HS51 | SHA512 | Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512). |
| HS01 | SHA1 | The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1). |
| SH31 | SHA3-224 | Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224). |
| SH32 | SHA3-256 | Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256). |
| SH33 | SHA3-384 | Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384). |
| SH35 | SHA3-512 | Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512). |
| SHK1 | SHAKE128 | Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128). |
| SHK2 | SHAKE256 | Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256). |
| SMS3 | SM3 | ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018. |

19.1.11.5.2.2 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following elements (see "[AlgorithmIdentification34](#)" on page [945](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 946 |
| | Parameter <Param> | [0..1] | | | 946 |
| | DigestAlgorithm <DgstAlgo> | [0..1] | CodeSet | | 946 |

19.1.11.5.2.3 SaltLength <SaltLngh>

Presence: [0..1]

Definition: Length of the salt to include in the signature.

Datatype: "[Number](#)" on page [1084](#)

19.1.11.5.2.4 TrailerField <TrlrFld>

Presence: [0..1]

Definition: Trailer field number.

Datatype: "Number" on page 1084

19.1.11.5.2.5 OIDCurveName <OIDCrvNm>

Presence: [0..1]

Definition: Name of the Elliptic Curve according to the OID notation.

Datatype: "Max140Text" on page 1086

19.1.11.6 AlgorithmIdentification31

Definition: Identification of a cryptographic algorithm and parameters for the MAC computation.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 952 |
| | Parameter <Param> | [0..1] | | | 954 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 955 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 955 |

19.1.11.6.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the MAC algorithm.

Datatype: "Algorithm27Code" on page 1019

| CodeName | Name | Definition |
|----------|----------------------|---|
| MACC | RetailCBCMAC | Retail CBC (Chaining Block Cypher) MAC (Message Authentication Code) (cf. ISO 9807, ANSI X9.19) - (ASN.1 Object Identifier: id-retail-cbc-mac). |
| MCCS | RetailSHA256MAC | Retail-CBC-MAC with SHA-256 (Secure HAsh standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-256). |
| CMA1 | SHA256CMACwithAES128 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message. |
| MCC1 | RetailSHA1MAC | The DEPRECATED Retail-CBC-MAC with SHA-1 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-1). |

| CodeName | Name | Definition |
|-----------------|------------------------|--|
| CMA9 | SHA384CMACwithAES192 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message. |
| CMA5 | SHA512CMACwithAES256 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message. |
| CMA2 | SHA256CMACWithAES256 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message. |
| CM31 | SHA3-256CMACWithAES128 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-256 digest of the message. |
| CM32 | SHA3-384CMACWithAES192 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-384 digest of the message. |

| CodeName | Name | Definition |
|----------|------------------------|--|
| CM33 | SHA3-512CMACWithAES256 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-512 digest of the message. |
| MCS3 | SHA3-256-3DESMAC | 3DES CBC-MAC with SHA3-256 (SecureHAsh standard) and ISO/IEC9797-1 method 2 padding. |
| CCA1 | CMACAES128 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| CCA2 | CMACAES192 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| CCA3 | CMACAES256 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| S34C | SM3SM4CBC | ShangMi 4 enciphering method used in CBC mode coupled with ShangMi 3 hash function. |
| S34R | SM3SM4CTR | ShangMi 4 enciphering method used in CTR mode coupled with ShangMi 3 hash function. |

19.1.11.6.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the MAC algorithm.

Parameter <Param> contains the following **Parameter7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | InitialisationVector <InitIstnVctr> | [0..1] | Binary | | 955 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 955 |

19.1.11.6.2.1 InitialisationVector <InitIstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: ["Max500Binary" on page 1016](#)

19.1.11.6.2.2 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: ["BytePadding1Code" on page 1031](#)

| CodeName | Name | Definition |
|----------|-------------------|--|
| LNGT | LengthPadding | Message to encrypt is completed by a byte value containing the total number of added bytes. |
| NUL8 | Null80Padding | Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached. |
| NULG | NullLengthPadding | Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes. |
| NULL | NullPadding | Message to encrypt is completed by null bytes. |
| RAND | RandomPadding | Message to encrypt is completed by random value, the last byte containing the total number of added bytes. |

19.1.11.7 AuthenticatedData10

Definition: Message authentication code (MAC), computed on the data to protect with an encryption key.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 956 |
| | Recipient <Rcpt> | [1..*] | | | 957 |
| {Or} | KeyTransport <KeyTrnsprt> | [1..1] | | | 957 |
| | Version <Vrsn> | [0..1] | Quantity | | 958 |
| | RecipientIdentification <RcptId> | [1..1] | | | 958 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 958 |
| | Issuer <Issr> | [1..1] | | | 959 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 959 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 959 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 960 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 960 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 960 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 960 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 960 |
| Or | KEK <KEK> | [1..1] | | | 961 |
| | Version <Vrsn> | [0..1] | Quantity | | 961 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 961 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 961 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 962 |
| | Parameter <Param> | [0..1] | | | 964 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 964 |
| | InitialisationVector <InitlstnVctr> | [0..1] | Binary | | 965 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 965 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 965 |
| Or} | KeyIdentifier <Keyldr> | [1..1] | ± | | 965 |
| | MACAlgorithm <MACAlgo> | [1..1] | ± | | 966 |
| | EncapsulatedContent <NcpsltdCntr> | [1..1] | ± | | 966 |
| | MAC <MAC> | [1..1] | Binary | | 966 |

19.1.11.7.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.7.2 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or protection key identification used by the recipient.

Recipient <Rcpt> contains one of the following **Recipient15Choice** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|-----|--|--------|----------|-------------|------|
| {Or | KeyTransport <KeyTrnsprt> | [1..1] | | | 957 |
| | Version <Vrsn> | [0..1] | Quantity | | 958 |
| | RecipientIdentification <RcptId> | [1..1] | | | 958 |
| {Or | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 958 |
| | Issuer <Issr> | [1..1] | | | 959 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 959 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 959 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 960 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 960 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 960 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 960 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 960 |
| Or | KEK <KEK> | [1..1] | | | 961 |
| | Version <Vrsn> | [0..1] | Quantity | | 961 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 961 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 961 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 962 |
| | Parameter <Param> | [0..1] | | | 964 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 964 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 965 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 965 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 965 |
| Or} | KeyIdentifier <Keyldr> | [1..1] | ± | | 965 |

19.1.11.7.2.1 KeyTransport <KeyTrnsprt>

Presence: [1..1]

Definition: Encryption key using previously distributed asymmetric public key.

KeyTransport <KeyTrnsprt> contains the following **KeyTransport10** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 958 |
| | RecipientIdentification <RcptId> | [1..1] | | | 958 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 958 |
| | Issuer </ssr> | [1..1] | | | 959 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 959 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 959 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 960 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 960 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 960 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 960 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 960 |

19.1.11.7.2.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.7.2.1.2 RecipientIdentification <RcptId>

Presence: [1..1]

Definition: Identification of a cryptographic asymmetric key for the recipient.

RecipientIdentification <RcptId> contains one of the following **Recipient13Choice** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|---------|-------------|------|
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 958 |
| | Issuer </ssr> | [1..1] | | | 959 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 959 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 959 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 960 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 960 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 960 |

19.1.11.7.2.1.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrlNb> contains the following **IssuerAndSerialNumber2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Issuer </issr> | [1..1] | | | 959 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 959 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 959 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 960 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 960 |

19.1.11.7.2.1.2.1.1 Issuer <Issr>

Presence: [1..1]

Definition: Certificate issuer name (see X.509).

Issuer <Issr> contains the following **CertificateIssuer1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 959 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 959 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 960 |

19.1.11.7.2.1.2.1.1.1 RelativeDistinguishedName <RltvDstngshdNm>

Presence: [1..*]

Definition: Relative distinguished name inside a X.509 certificate.

RelativeDistinguishedName <RltvDstngshdNm> contains the following **RelativeDistinguishedName1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------|--------|---------|-------------|------|
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 959 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 960 |

19.1.11.7.2.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1027

| CodeName | Name | Definition |
|----------|------------|---|
| CNAT | CommonName | Common name of the attribute (ASN.1 Object Identifier: id-at-commonName). |
| LATT | Locality | Locality of the attribute (ASN.1 Object Identifier: id-at-localityName). |

| CodeName | Name | Definition |
|----------|----------------------|--|
| OATT | OrganisationName | Organization name of the attribute (ASN.1 Object Identifier: id-at-organizationName). |
| OUAT | OrganisationUnitName | Organization unit name of the attribute (ASN.1 Object Identifier: id-at-organizationalUnitName). |
| CATT | CountryName | Country name of the attribute (ASN.1 Object Identifier: id-at-countryName). |

19.1.11.7.2.1.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: ["Max140Text" on page 1086](#)

19.1.11.7.2.1.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: ["Max500Binary" on page 1016](#)

19.1.11.7.2.1.2.2 SubjectKeyIdentifier <SbjtKeyIdr>

Presence: [1..1]

Definition: Specifies the recipient's certificate by a key identifier.

Datatype: ["Max140Binary" on page 1014](#)

19.1.11.7.2.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see ["AlgorithmIdentification35" on page 943](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 943 |
| | Parameter <Param> | [0..1] | | | 944 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 944 |
| | DigestAlgorithm <DgstAlgo> | [0..1] | CodeSet | | 944 |
| | MaskGeneratorAlgorithm <MskGnrtrAlgo> | [0..1] | ± | | 945 |

19.1.11.7.2.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: ["Max5000Binary" on page 1015](#)

19.1.11.7.2.2 KEK <KEK>

Presence: [1..1]

Definition: Key encryption key using previously distributed symmetric key.

KEK <KEK> contains the following **KEK9** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 961 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 961 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 961 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 962 |
| | Parameter <Param> | [0..1] | | | 964 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 964 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 965 |
| | BytePadding <BPdmg> | [0..1] | CodeSet | | 965 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 965 |

19.1.11.7.2.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.7.2.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following elements (see "[KEKIdentifier7](#)" on page 639 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|----------|-------------|------|
| | KeyIdentification <KeyId> | [1..1] | Text | | 639 |
| | KeyVersion <KeyVrsn> | [1..1] | Text | | 639 |
| | SequenceNumber <SeqNb> | [0..1] | Quantity | | 639 |
| | DerivationIdentification <DerivtnId> | [0..1] | Binary | | 639 |

19.1.11.7.2.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following **AlgorithmIdentification32** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 962 |
| | Parameter <Param> | [0..1] | | | 964 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 964 |
| | InitialisationVector <InitIstnVctr> | [0..1] | Binary | | 965 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 965 |

19.1.11.7.2.2.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm28Code" on page 1021

| CodeName | Name | Definition |
|----------|----------------|--|
| EA2C | AES128CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| E3DC | DES112CBC | Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc). |
| DKP9 | DUKPT2009 | DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A. |
| UKPT | UKPT | UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap). |
| UKA2 | UKPTwithAES192 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA9C | AES192CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA5C | AES256CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption |

| CodeName | Name | Definition |
|-----------------|--------------------------|--|
| | | with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| DA12 | AESDUKPT128ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits. |
| DA19 | AESDUKPT192ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits. |
| DA25 | AESDUKPT256ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits. |
| N108 | Nist800-108KeyDerivation | Key Derivation according to the Special Publication from the NIST entitled 800-108. |
| EA5R | AES256CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA9R | AES192CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA2R | AES128CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| E3DR | DES112CTR | Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a. |
| E36C | DES168CBC | Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ed3-cbc). |
| E36R | DES168CTR | Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a. |
| SD5C | SDE056CBC | The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS |

| CodeName | Name | Definition |
|----------|----------------|--|
| | | PUB 81 - (ASN.1 Object Identifier: des-cbc). |
| UKA1 | UKPTwithAES128 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| UKA3 | UKPTwithAES256 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| SM4C | SM4CBC | ShangMi 4 enciphering method used in CBC mode. |
| SM4R | SM4CTR | ShangMi 4 enciphering method used in CTR mode. |

19.1.11.7.2.2.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the encryption algorithm.

Parameter <Param> contains the following **Parameter12** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 964 |
| | InitialisationVector <InitIstnVctr> | [0..1] | Binary | | 965 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 965 |

19.1.11.7.2.2.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: ["EncryptionFormat2Code" on page 1042](#)

| CodeName | Name | Definition |
|----------|-----------------|--|
| TR31 | TR31 | Format of a cryptographic key specified by the ANSI X9 TR-31 standard. |
| TR34 | TR34 | Format of a cryptographic key specified by the ANSI X9 TR-34 standard. |
| I238 | ISO20038KeyWrap | Format of a cryptographic key specified by the ISO20038 standard. |

19.1.11.7.2.2.3.2.2 InitialisationVector <InitIstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: ["Max500Binary" on page 1016](#)

19.1.11.7.2.2.3.2.3 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: ["BytePadding1Code" on page 1031](#)

| CodeName | Name | Definition |
|----------|-------------------|--|
| LNGT | LengthPadding | Message to encrypt is completed by a byte value containing the total number of added bytes. |
| NUL8 | Null80Padding | Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached. |
| NULG | NullLengthPadding | Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes. |
| NULL | NullPadding | Message to encrypt is completed by null bytes. |
| RAND | RandomPadding | Message to encrypt is completed by random value, the last byte containing the total number of added bytes. |

19.1.11.7.2.2.4 EncryptedKey <NcrptdKey>

Presence: [0..1]

Definition: Encrypted key encryption key (KEK).

Datatype: ["Max500Binary" on page 1016](#)

19.1.11.7.2.3 KeyIdentifier <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 639](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|----------|-------------|------|
| | KeyIdentification <KeyId> | [1..1] | Text | | 639 |
| | KeyVersion <KeyVrsn> | [1..1] | Text | | 639 |
| | SequenceNumber <SeqNb> | [0..1] | Quantity | | 639 |
| | DerivationIdentification <DerivtnId> | [0..1] | Binary | | 639 |

19.1.11.7.3 MACAlgorithm <MACAlgo>

Presence: [1..1]

Definition: Algorithm to compute message authentication code (MAC).

MACAlgorithm <MACAlgo> contains the following elements (see "[AlgorithmIdentification31](#)" on page 952 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 952 |
| | Parameter <Param> | [0..1] | | | 954 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 955 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 955 |

19.1.11.7.4 EncapsulatedContent <NcpsItdCntr>

Presence: [1..1]

Definition: Data to authenticate.

EncapsulatedContent <NcpsItdCntr> contains the following elements (see "[EncapsulatedContent3](#)" on page 941 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 942 |
| | Content <Cntt> | [0..1] | Binary | | 942 |

19.1.11.7.5 MAC <MAC>

Presence: [1..1]

Definition: Message authentication code value.

Datatype: "[Max140Binary](#)" on page 1014

19.1.11.8 EnvelopedData11

Definition: Encrypted data with encryption key.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 968 |
| | OriginatorInformation <Orgtrlnf> | [0..1] | | | 968 |
| | Certificate <Cert> | [0..*] | Binary | | 968 |
| | Recipient <Rcpt> | [1..*] | | | 968 |
| {Or} | KeyTransport <KeyTrnsprt> | [1..1] | | | 969 |
| | Version <Vrsn> | [0..1] | Quantity | | 970 |
| | RecipientIdentification <RcptId> | [1..1] | | | 970 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 970 |
| | Issuer <Issr> | [1..1] | | | 971 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 971 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 971 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 972 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 972 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 972 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 972 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 972 |
| Or | KEK <KEK> | [1..1] | | | 973 |
| | Version <Vrsn> | [0..1] | Quantity | | 973 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 973 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 973 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 974 |
| | Parameter <Param> | [0..1] | | | 976 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 976 |
| | InitialisationVector <InitlstnVctr> | [0..1] | Binary | | 977 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 977 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 977 |
| Or} | KeyIdentifier <Keyldr> | [1..1] | ± | | 977 |
| | EncryptedContent <NcrptdCntr> | [0..1] | | | 978 |
| | ContentType <CntrTp> | [1..1] | CodeSet | | 978 |
| | ContentEncryptionAlgorithm <CntrNcrptnAlgo> | [0..1] | | | 978 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 979 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | Parameter <Param> | [0..1] | | | 981 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 981 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 982 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 982 |
| | EncryptedData <NcrptdData> | [1..1] | Binary | | 982 |

19.1.11.8.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: ["Number" on page 1084](#)

19.1.11.8.2 OriginatorInformation <OrgtrInft>

Presence: [0..1]

Definition: Provides certificates of the originator.

OriginatorInformation <OrgtrInft> contains the following **OriginatorInformation1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|--------|-------------|------|
| | Certificate <Cert> | [0..*] | Binary | | 968 |

19.1.11.8.2.1 Certificate <Cert>

Presence: [0..*]

Definition: It may contain originator certificates associated with several different key management algorithms.

Datatype: ["Max5000Binary" on page 1015](#)

19.1.11.8.3 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or identification of the protection key used by the recipient.

Recipient <Rcpt> contains one of the following **Recipient15Choice** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|-----|--|--------|----------|-------------|------|
| {Or | KeyTransport <KeyTrnsprt> | [1..1] | | | 969 |
| | Version <Vrsn> | [0..1] | Quantity | | 970 |
| | RecipientIdentification <RcptId> | [1..1] | | | 970 |
| {Or | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 970 |
| | Issuer <Issr> | [1..1] | | | 971 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 971 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 971 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 972 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 972 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 972 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 972 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 972 |
| Or | KEK <KEK> | [1..1] | | | 973 |
| | Version <Vrsn> | [0..1] | Quantity | | 973 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 973 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 973 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 974 |
| | Parameter <Param> | [0..1] | | | 976 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 976 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 977 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 977 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 977 |
| Or} | KeyIdentifier <Keyldr> | [1..1] | ± | | 977 |

19.1.11.8.3.1 KeyTransport <KeyTrnsprt>

Presence: [1..1]

Definition: Encryption key using previously distributed asymmetric public key.

KeyTransport <KeyTrnsprt> contains the following **KeyTransport10** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 970 |
| | RecipientIdentification <RcptId> | [1..1] | | | 970 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 970 |
| | Issuer </ssr> | [1..1] | | | 971 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 971 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 971 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 972 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 972 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 972 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 972 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 972 |

19.1.11.8.3.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.8.3.1.2 RecipientIdentification <RcptId>

Presence: [1..1]

Definition: Identification of a cryptographic asymmetric key for the recipient.

RecipientIdentification <RcptId> contains one of the following **Recipient13Choice** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|---------|-------------|------|
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 970 |
| | Issuer </ssr> | [1..1] | | | 971 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 971 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 971 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 972 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 972 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 972 |

19.1.11.8.3.1.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrlNb> contains the following **IssuerAndSerialNumber2** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | Issuer </issr> | [1..1] | | | 971 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 971 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 971 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 972 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 972 |

19.1.11.8.3.1.2.1.1 Issuer <Issr>

Presence: [1..1]

Definition: Certificate issuer name (see X.509).

Issuer <Issr> contains the following **CertificateIssuer1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 971 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 971 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 972 |

19.1.11.8.3.1.2.1.1.1 RelativeDistinguishedName <RltvDstngshdNm>

Presence: [1..*]

Definition: Relative distinguished name inside a X.509 certificate.

RelativeDistinguishedName <RltvDstngshdNm> contains the following **RelativeDistinguishedName1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------|--------|---------|-------------|------|
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 971 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 972 |

19.1.11.8.3.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1027

| CodeName | Name | Definition |
|----------|------------|---|
| CNAT | CommonName | Common name of the attribute (ASN.1 Object Identifier: id-at-commonName). |
| LATT | Locality | Locality of the attribute (ASN.1 Object Identifier: id-at-localityName). |

| CodeName | Name | Definition |
|----------|----------------------|--|
| OATT | OrganisationName | Organization name of the attribute (ASN.1 Object Identifier: id-at-organizationName). |
| OUAT | OrganisationUnitName | Organization unit name of the attribute (ASN.1 Object Identifier: id-at-organizationalUnitName). |
| CATT | CountryName | Country name of the attribute (ASN.1 Object Identifier: id-at-countryName). |

19.1.11.8.3.1.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1086

19.1.11.8.3.1.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 1016

19.1.11.8.3.1.2.2 SubjectKeyIdentifier <SbjtKeyIdr>

Presence: [1..1]

Definition: Specifies the recipient's certificate by a key identifier.

Datatype: "Max140Binary" on page 1014

19.1.11.8.3.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification35" on page 943 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 943 |
| | Parameter <Param> | [0..1] | | | 944 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 944 |
| | DigestAlgorithm <DgstAlgo> | [0..1] | CodeSet | | 944 |
| | MaskGeneratorAlgorithm <MskGnrtrAlgo> | [0..1] | ± | | 945 |

19.1.11.8.3.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 1015

19.1.11.8.3.2 KEK <KEK>

Presence: [1..1]

Definition: Key encryption key using previously distributed symmetric key.

KEK <KEK> contains the following **KEK9** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 973 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 973 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 973 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 974 |
| | Parameter <Param> | [0..1] | | | 976 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 976 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 977 |
| | BytePadding <BPdmg> | [0..1] | CodeSet | | 977 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 977 |

19.1.11.8.3.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.8.3.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following elements (see "[KEKIdentifier7](#)" on page 639 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|----------|-------------|------|
| | KeyIdentification <KeyId> | [1..1] | Text | | 639 |
| | KeyVersion <KeyVrsn> | [1..1] | Text | | 639 |
| | SequenceNumber <SeqNb> | [0..1] | Quantity | | 639 |
| | DerivationIdentification <DerivtnId> | [0..1] | Binary | | 639 |

19.1.11.8.3.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following **AlgorithmIdentification32** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 974 |
| | Parameter <Param> | [0..1] | | | 976 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 976 |
| | InitialisationVector <InitIstnVctr> | [0..1] | Binary | | 977 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 977 |

19.1.11.8.3.2.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm28Code" on page 1021

| CodeName | Name | Definition |
|----------|----------------|--|
| EA2C | AES128CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| E3DC | DES112CBC | Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc). |
| DKP9 | DUKPT2009 | DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A. |
| UKPT | UKPT | UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap). |
| UKA2 | UKPTwithAES192 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA9C | AES192CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA5C | AES256CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption |

| CodeName | Name | Definition |
|-----------------|--------------------------|--|
| | | with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| DA12 | AESDUKPT128ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits. |
| DA19 | AESDUKPT192ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits. |
| DA25 | AESDUKPT256ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits. |
| N108 | Nist800-108KeyDerivation | Key Derivation according to the Special Publication from the NIST entitled 800-108. |
| EA5R | AES256CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA9R | AES192CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA2R | AES128CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| E3DR | DES112CTR | Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a. |
| E36C | DES168CBC | Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ed3-cbc). |
| E36R | DES168CTR | Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a. |
| SD5C | SDE056CBC | The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS |

| CodeName | Name | Definition |
|----------|----------------|--|
| | | PUB 81 - (ASN.1 Object Identifier: des-cbc). |
| UKA1 | UKPTwithAES128 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| UKA3 | UKPTwithAES256 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| SM4C | SM4CBC | ShangMi 4 enciphering method used in CBC mode. |
| SM4R | SM4CTR | ShangMi 4 enciphering method used in CTR mode. |

19.1.11.8.3.2.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the encryption algorithm.

Parameter <Param> contains the following **Parameter12** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 976 |
| | InitialisationVector <InitlstnVctr> | [0..1] | Binary | | 977 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 977 |

19.1.11.8.3.2.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: ["EncryptionFormat2Code" on page 1042](#)

| CodeName | Name | Definition |
|----------|-----------------|--|
| TR31 | TR31 | Format of a cryptographic key specified by the ANSI X9 TR-31 standard. |
| TR34 | TR34 | Format of a cryptographic key specified by the ANSI X9 TR-34 standard. |
| I238 | ISO20038KeyWrap | Format of a cryptographic key specified by the ISO20038 standard. |

19.1.11.8.3.2.3.2.2 InitialisationVector <InitIstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: ["Max500Binary" on page 1016](#)

19.1.11.8.3.2.3.2.3 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: ["BytePadding1Code" on page 1031](#)

| CodeName | Name | Definition |
|----------|-------------------|--|
| LNGT | LengthPadding | Message to encrypt is completed by a byte value containing the total number of added bytes. |
| NUL8 | Null80Padding | Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached. |
| NULG | NullLengthPadding | Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes. |
| NULL | NullPadding | Message to encrypt is completed by null bytes. |
| RAND | RandomPadding | Message to encrypt is completed by random value, the last byte containing the total number of added bytes. |

19.1.11.8.3.2.4 EncryptedKey <NcrptdKey>

Presence: [0..1]

Definition: Encrypted key encryption key (KEK).

Datatype: ["Max500Binary" on page 1016](#)

19.1.11.8.3.3 KeyIdentifier <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 639](#) for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------------------|--------|----------|-------------|------|
| | KeyIdentification <KeyId> | [1..1] | Text | | 639 |
| | KeyVersion <KeyVrsn> | [1..1] | Text | | 639 |
| | SequenceNumber <SeqNb> | [0..1] | Quantity | | 639 |
| | DerivationIdentification <DerivtnId> | [0..1] | Binary | | 639 |

19.1.11.8.4 EncryptedContent <NcrptdCntr>

Presence: [0..1]

Definition: Data protection by encryption (digital envelope), with an encryption key.

EncryptedContent <NcrptdCntr> contains the following **EncryptedContent7** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 978 |
| | ContentEncryptionAlgorithm <CnttNcrptnAlgo> | [0..1] | | | 978 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 979 |
| | Parameter <Param> | [0..1] | | | 981 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 981 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 982 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 982 |
| | EncryptedData <NcrptdData> | [1..1] | Binary | | 982 |

19.1.11.8.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been encrypted.

Datatype: "ContentType2Code" on page 1038

| CodeName | Name | Definition |
|----------|-------------------|---|
| DATA | PlainData | Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data). |
| SIGN | SignedData | Digital signature - (ASN.1 Object Identifier: id-signedData). |
| EVLP | EnvelopedData | Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData). |
| DGST | DigestedData | Message digest - (ASN.1 Object Identifier: id-digestedData). |
| AUTH | AuthenticatedData | MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData). |

19.1.11.8.4.2 ContentEncryptionAlgorithm <CnttNcrptnAlgo>

Presence: [0..1]

Definition: Algorithm used to encrypt the data.

ContentEncryptionAlgorithm <CnttNcrptnAlgo> contains the following **AlgorithmIdentification32** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 979 |
| | Parameter <Param> | [0..1] | | | 981 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 981 |
| | InitialisationVector <InitIstnVctr> | [0..1] | Binary | | 982 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 982 |

19.1.11.8.4.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm28Code" on page 1021

| CodeName | Name | Definition |
|----------|----------------|--|
| EA2C | AES128CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| E3DC | DES112CBC | Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc). |
| DKP9 | DUKPT2009 | DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A. |
| UKPT | UKPT | UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap). |
| UKA2 | UKPTwithAES192 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA9C | AES192CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA5C | AES256CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption |

| CodeName | Name | Definition |
|-----------------|--------------------------|--|
| | | with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| DA12 | AESDUKPT128ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits. |
| DA19 | AESDUKPT192ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits. |
| DA25 | AESDUKPT256ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits. |
| N108 | Nist800-108KeyDerivation | Key Derivation according to the Special Publication from the NIST entitled 800-108. |
| EA5R | AES256CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA9R | AES192CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA2R | AES128CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| E3DR | DES112CTR | Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a. |
| E36C | DES168CBC | Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ed3-cbc). |
| E36R | DES168CTR | Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a. |
| SD5C | SDE056CBC | The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS |

| CodeName | Name | Definition |
|----------|----------------|--|
| | | PUB 81 - (ASN.1 Object Identifier: des-cbc). |
| UKA1 | UKPTwithAES128 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| UKA3 | UKPTwithAES256 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| SM4C | SM4CBC | ShangMi 4 enciphering method used in CBC mode. |
| SM4R | SM4CTR | ShangMi 4 enciphering method used in CTR mode. |

19.1.11.8.4.2.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the encryption algorithm.

Parameter <Param> contains the following Parameter12 elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 981 |
| | InitialisationVector <InitIstnVctr> | [0..1] | Binary | | 982 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 982 |

19.1.11.8.4.2.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: ["EncryptionFormat2Code" on page 1042](#)

| CodeName | Name | Definition |
|----------|-----------------|--|
| TR31 | TR31 | Format of a cryptographic key specified by the ANSI X9 TR-31 standard. |
| TR34 | TR34 | Format of a cryptographic key specified by the ANSI X9 TR-34 standard. |
| I238 | ISO20038KeyWrap | Format of a cryptographic key specified by the ISO20038 standard. |

19.1.11.8.4.2.2.2 InitialisationVector <InitIstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: ["Max500Binary" on page 1016](#)

19.1.11.8.4.2.2.3 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: ["BytePadding1Code" on page 1031](#)

| CodeName | Name | Definition |
|----------|-------------------|--|
| LNGT | LengthPadding | Message to encrypt is completed by a byte value containing the total number of added bytes. |
| NUL8 | Null80Padding | Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached. |
| NULG | NullLengthPadding | Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes. |
| NULL | NullPadding | Message to encrypt is completed by null bytes. |
| RAND | RandomPadding | Message to encrypt is completed by random value, the last byte containing the total number of added bytes. |

19.1.11.8.4.3 EncryptedData <NcrptdData>

Presence: [1..1]

Definition: Encrypted data, result of the content encryption.

Datatype: ["Max100KBinary" on page 1014](#)

19.1.11.9 SignedData9

Definition: Digital signatures of data from one or several signers.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 983 |
| | DigestAlgorithm <DgstAlgo> | [0..*] | ± | | 983 |
| | EncapsulatedContent <NcpsItdCntr> | [0..1] | ± | | 984 |
| | Certificate <Cert> | [0..*] | Binary | | 984 |
| | Signer <Sgnr> | [0..*] | | | 984 |
| | Version <Vrsn> | [0..1] | Quantity | | 985 |
| | SignerIdentification <SgnrlId> | [0..1] | | | 985 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 985 |
| | Issuer <Issr> | [1..1] | | | 985 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 986 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 986 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 986 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 986 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 987 |
| | DigestAlgorithm <DgstAlgo> | [1..1] | ± | | 987 |
| | SignedAttributes <SgndAttrbts> | [0..*] | | | 987 |
| | Name <Nm> | [1..1] | Text | | 987 |
| | Value <Val> | [0..1] | Text | | 987 |
| | SignatureAlgorithm <SgntrAlgo> | [1..1] | ± | | 987 |
| | Signature <Sgntr> | [1..1] | Binary | | 988 |

19.1.11.9.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1084

19.1.11.9.2 DigestAlgorithm <DgstAlgo>

Presence: [0..*]

Definition: Identification of digest algorithm applied before signature.

DigestAlgorithm <DgstAlgo> contains the following elements (see "[AlgorithmIdentification36](#)" on page 942 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 942 |

19.1.11.9.3 EncapsulatedContent <NcpsItdCntt>

Presence: [0..1]

Definition: Data to sign.

EncapsulatedContent <NcpsItdCntt> contains the following elements (see "[EncapsulatedContent3](#)" on page 941 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 942 |
| | Content <Cntt> | [0..1] | Binary | | 942 |

19.1.11.9.4 Certificate <Cert>

Presence: [0..*]

Definition: Chain of X.509 certificates.

Datatype: "[Max5000Binary](#)" on page 1015

19.1.11.9.5 Signer <Sgnr>

Presence: [0..*]

Definition: Digital signature and identification of a signer.

Signer <Sgnr> contains the following **Signer8** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 985 |
| | SignerIdentification <SgnrlId> | [0..1] | | | 985 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlnb> | [1..1] | | | 985 |
| | Issuer <issr> | [1..1] | | | 985 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 986 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 986 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 986 |
| | SerialNumber <Srlnb> | [1..1] | Binary | | 986 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 987 |
| | DigestAlgorithm <dgstAlgo> | [1..1] | ± | | 987 |
| | SignedAttributes <SgndAttrbts> | [0..*] | | | 987 |
| | Name <Nm> | [1..1] | Text | | 987 |
| | Value <Val> | [0..1] | Text | | 987 |
| | SignatureAlgorithm <SgntrAlgo> | [1..1] | ± | | 987 |
| | Signature <Sgntr> | [1..1] | Binary | | 988 |

19.1.11.9.5.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the Cryptographic Message Syntax (CMS) data structure.

Datatype: "Number" on page 1084

19.1.11.9.5.2 SignerIdentification <SgnrId>

Presence: [0..1]

Definition: Identification of the entity who has signed the data.

SignerIdentification <SgnrId> contains one of the following **Recipient13Choice** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|-----|--|--------|---------|-------------|------|
| {Or | IssuerAndSerialNumber <IssrAndSrINb> | [1..1] | | | 985 |
| | Issuer <Issr> | [1..1] | | | 985 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 986 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 986 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 986 |
| | SerialNumber <SrINb> | [1..1] | Binary | | 986 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 987 |

19.1.11.9.5.2.1 IssuerAndSerialNumber <IssrAndSrINb>

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] | | | 985 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 986 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 986 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 986 |
| | SerialNumber <SrINb> | [1..1] | Binary | | 986 |

19.1.11.9.5.2.1.1 Issuer <Issr>

Presence: [1..1]

Definition: Certificate issuer name (see X.509).

Issuer <Issr> contains the following **CertificateIssuer1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|---------|-------------|------|
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 986 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 986 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 986 |

19.1.11.9.5.2.1.1.1 RelativeDistinguishedName <RltvDstngshdNm>

Presence: [1..*]

Definition: Relative distinguished name inside a X.509 certificate.

RelativeDistinguishedName <RltvDstngshdNm> contains the following **RelativeDistinguishedName1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--------------------------|--------|---------|-------------|------|
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 986 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 986 |

19.1.11.9.5.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: ["AttributeType1Code" on page 1027](#)

| CodeName | Name | Definition |
|----------|----------------------|--|
| CNAT | CommonName | Common name of the attribute (ASN.1 Object Identifier: id-at-commonName). |
| LATT | Locality | Locality of the attribute (ASN.1 Object Identifier: id-at-localityName). |
| OATT | OrganisationName | Organization name of the attribute (ASN.1 Object Identifier: id-at-organizationName). |
| OUAT | OrganisationUnitName | Organization unit name of the attribute (ASN.1 Object Identifier: id-at-organizationalUnitName). |
| CATT | CountryName | Country name of the attribute (ASN.1 Object Identifier: id-at-countryName). |

19.1.11.9.5.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: ["Max140Text" on page 1086](#)

19.1.11.9.5.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max500Binary" on page 1016

19.1.11.9.5.2.2 SubjectKeyIdentifier <SbjtKeyldr>

Presence: [1..1]

Definition: Specifies the recipient's certificate by a key identifier.

Datatype: "Max140Binary" on page 1014

19.1.11.9.5.3 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of a digest algorithm to apply before signature.

DigestAlgorithm <DgstAlgo> contains the following elements (see "[AlgorithmIdentification36](#)" on page 942 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 942 |

19.1.11.9.5.4 SignedAttributes <SgndAttrbts>

Presence: [0..*]

Definition: Collection of attributes that are signed.

SignedAttributes <SgndAttrbts> contains the following **GenericInformation1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Name <Nm> | [1..1] | Text | | 987 |
| | Value <Val> | [0..1] | Text | | 987 |

19.1.11.9.5.4.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1090

19.1.11.9.5.4.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1086

19.1.11.9.5.5 SignatureAlgorithm <SgntrAlgo>

Presence: [1..1]

Definition: Cryptographic digital signature algorithm.

SignatureAlgorithm <SgntrAlgo> contains the following elements (see "[AlgorithmIdentification33](#)" on page 947 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---------------------------------------|--------|----------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 947 |
| | Parameter <Param> | [0..1] | | | 950 |
| | DigestAlgorithm <DgstAlgo> | [0..1] | CodeSet | | 950 |
| | MaskGeneratorAlgorithm <MskGnrtrAlgo> | [0..1] | ± | | 951 |
| | SaltLength <SaltLngh> | [0..1] | Quantity | | 951 |
| | TrailerField <TrlrFld> | [0..1] | Quantity | | 952 |
| | OIDCurveName <OIDCrvNm> | [0..1] | Text | | 952 |

19.1.11.9.5.6 Signature <Sgntr>

Presence: [1..1]

Definition: Digital signature.

Datatype: "[Max3000Binary](#)" on page 1015

19.1.11.10 DigestedData6

Definition: Digest computed on the identified data.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 988 |
| | DigestAlgorithm <DgstAlgo> | [1..1] | ± | | 988 |
| | EncapsulatedContent <NcpsLdCntt> | [1..1] | ± | | 989 |
| | Digest <Dgst> | [1..1] | Binary | | 989 |

19.1.11.10.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "[Number](#)" on page 1084

19.1.11.10.2 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

DigestAlgorithm <DgstAlgo> contains the following elements (see "[AlgorithmIdentification36](#)" on page 942 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 942 |

19.1.11.10.3 EncapsulatedContent <NcpsItdCntt>

Presence: [1..1]

Definition: Data on which the digest is computed.

EncapsulatedContent <NcpsItdCntt> contains the following elements (see "[EncapsulatedContent3](#)" on page 941 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | ContentType <CntrTp> | [1..1] | CodeSet | | 942 |
| | Content <Cntr> | [0..1] | Binary | | 942 |

19.1.11.10.4 Digest <Dgst>

Presence: [1..1]

Definition: Result of data-digesting process.

Datatype: ["Max140Binary"](#) on page 1014

19.1.11.11 ContentInformationType40

Definition: General cryptographic message syntax (CMS) containing encrypted data.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------|--------|---------|-------------|------|
| | ContentType <CntrTp> | [1..1] | CodeSet | | 989 |
| | EnvelopedData <EnvlpdData> | [1..1] | ± | | 990 |

19.1.11.11.1 ContentType <CntrTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: ["ContentType2Code"](#) on page 1038

| CodeName | Name | Definition |
|----------|-------------------|---|
| DATA | PlainData | Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data). |
| SIGN | SignedData | Digital signature - (ASN.1 Object Identifier: id-signedData). |
| EVLP | EnvelopedData | Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData). |
| DGST | DigestedData | Message digest - (ASN.1 Object Identifier: id-digestedData). |
| AUTH | AuthenticatedData | MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData). |

19.1.11.11.2 EnvelopedData <EnvlpdData>

Presence: [1..1]

Definition: Data protection by encryption or by a digital envelope, with an encryption key.

EnvelopedData <EnvlpdData> contains the following elements (see "[EnvelopedData11](#)" on page 966 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 968 |
| | OriginatorInformation <OrgtrInfr> | [0..1] | | | 968 |
| | Certificate <Cert> | [0..*] | Binary | | 968 |
| | Recipient <Rcpt> | [1..*] | | | 968 |
| {Or} | KeyTransport <KeyTrnsprt> | [1..1] | | | 969 |
| | Version <Vrsn> | [0..1] | Quantity | | 970 |
| | RecipientIdentification <RcptId> | [1..1] | | | 970 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 970 |
| | Issuer <Issr> | [1..1] | | | 971 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 971 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 971 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 972 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 972 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 972 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 972 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 972 |
| Or | KEK <KEK> | [1..1] | | | 973 |
| | Version <Vrsn> | [0..1] | Quantity | | 973 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 973 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 973 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 974 |
| | Parameter <Param> | [0..1] | | | 976 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 976 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 977 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 977 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 977 |
| Or} | KeyIdentifier <Keyldr> | [1..1] | ± | | 977 |
| | EncryptedContent <NcrptdCntr> | [0..1] | | | 978 |
| | ContentType <CntrTp> | [1..1] | CodeSet | | 978 |
| | ContentEncryptionAlgorithm <CntrNcrptnAlgo> | [0..1] | | | 978 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 979 |
| | Parameter <Param> | [0..1] | | | 981 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 981 |
| | InitialisationVector <InitIstnVctr> | [0..1] | Binary | | 982 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 982 |
| | EncryptedData <NcrptdData> | [1..1] | Binary | | 982 |

19.1.11.12 ContentInformationType39

Definition: General cryptographic message syntax (CMS) containing protected data.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 992 |
| | EnvelopedData <EnvlpdData> | [0..1] | ± | | 992 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 994 |
| | SignedData <SgndData> | [0..1] | ± | | 995 |
| | DigestedData <DgstdData> | [0..1] | ± | | 996 |

19.1.11.12.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1038

| CodeName | Name | Definition |
|----------|-------------------|---|
| DATA | PlainData | Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data). |
| SIGN | SignedData | Digital signature - (ASN.1 Object Identifier: id-signedData). |
| EVLP | EnvelopedData | Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData). |
| DGST | DigestedData | Message digest - (ASN.1 Object Identifier: id-digestedData). |
| AUTH | AuthenticatedData | MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData). |

19.1.11.12.2 EnvelopedData <EnvlpdData>

Presence: [0..1]

Definition: Data protection by encryption, with a session key.

EnvelopedData <EnvlpdData> contains the following elements (see "[EnvelopedData11](#)" on page 966 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|---|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 968 |
| | OriginatorInformation <OrgtrInfr> | [0..1] | | | 968 |
| | Certificate <Cert> | [0..*] | Binary | | 968 |
| | Recipient <Rcpt> | [1..*] | | | 968 |
| {Or} | KeyTransport <KeyTrnsprt> | [1..1] | | | 969 |
| | Version <Vrsn> | [0..1] | Quantity | | 970 |
| | RecipientIdentification <RcptId> | [1..1] | | | 970 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 970 |
| | Issuer <Issr> | [1..1] | | | 971 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 971 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 971 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 972 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 972 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 972 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 972 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 972 |
| Or | KEK <KEK> | [1..1] | | | 973 |
| | Version <Vrsn> | [0..1] | Quantity | | 973 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 973 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 973 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 974 |
| | Parameter <Param> | [0..1] | | | 976 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 976 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 977 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 977 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 977 |
| Or} | KeyIdentifier <Keyldr> | [1..1] | ± | | 977 |
| | EncryptedContent <NcrptdCntr> | [0..1] | | | 978 |
| | ContentType <CntrTp> | [1..1] | CodeSet | | 978 |
| | ContentEncryptionAlgorithm <CntrNcrptnAlgo> | [0..1] | | | 978 |

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------------------|--------|---------|-------------|------|
| | Algorithm <Algo> | [1..1] | CodeSet | | 979 |
| | Parameter <Param> | [0..1] | | | 981 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 981 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 982 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 982 |
| | EncryptedData <NcrptdData> | [1..1] | Binary | | 982 |

19.1.11.12.3 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData10](#)" on page 955 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 956 |
| | Recipient <Rcpt> | [1..*] | | | 957 |
| {Or} | KeyTransport <KeyTrnsprt> | [1..1] | | | 957 |
| | Version <Vrsn> | [0..1] | Quantity | | 958 |
| | RecipientIdentification <RcptId> | [1..1] | | | 958 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 958 |
| | Issuer <Issr> | [1..1] | | | 959 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 959 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 959 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 960 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 960 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 960 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 960 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 960 |
| Or | KEK <KEK> | [1..1] | | | 961 |
| | Version <Vrsn> | [0..1] | Quantity | | 961 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 961 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 961 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 962 |
| | Parameter <Param> | [0..1] | | | 964 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 964 |
| | InitialisationVector <InitlStnVctr> | [0..1] | Binary | | 965 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 965 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 965 |
| Or} | KeyIdentifier <Keyldr> | [1..1] | ± | | 965 |
| | MACAlgorithm <MACAlgo> | [1..1] | ± | | 966 |
| | EncapsulatedContent <NcpsltdCntr> | [1..1] | ± | | 966 |
| | MAC <MAC> | [1..1] | Binary | | 966 |

19.1.11.12.4 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "[SignedData9](#)" on page 982 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 983 |
| | DigestAlgorithm <DgstAlgo> | [0..*] | ± | | 983 |
| | EncapsulatedContent <NcpsItdCntr> | [0..1] | ± | | 984 |
| | Certificate <Cert> | [0..*] | Binary | | 984 |
| | Signer <Sgnr> | [0..*] | | | 984 |
| | Version <Vrsn> | [0..1] | Quantity | | 985 |
| | SignerIdentification <SgnrlId> | [0..1] | | | 985 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 985 |
| | Issuer <Issr> | [1..1] | | | 985 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 986 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 986 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 986 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 986 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 987 |
| | DigestAlgorithm <DgstAlgo> | [1..1] | ± | | 987 |
| | SignedAttributes <SgndAttrbts> | [0..*] | | | 987 |
| | Name <Nm> | [1..1] | Text | | 987 |
| | Value <Val> | [0..1] | Text | | 987 |
| | SignatureAlgorithm <SgntrAlgo> | [1..1] | ± | | 987 |
| | Signature <Sgntr> | [1..1] | Binary | | 988 |

19.1.11.12.5 DigestedData <DgstdData>

Presence: [0..1]

Definition: Data protected by a digest.

DigestedData <DgstdData> contains the following elements (see "[DigestedData6](#)" on page 988 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 988 |
| | DigestAlgorithm <DgstAlgo> | [1..1] | ± | | 988 |
| | EncapsulatedContent <NcpsltdCntr> | [1..1] | ± | | 989 |
| | Digest <Dgst> | [1..1] | Binary | | 989 |

19.1.11.13 ContentInformationType38

Definition: General cryptographic message syntax (CMS) containing data, protected by a MAC or a digital signature.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 997 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 997 |
| | SignedData <SgndData> | [0..1] | ± | | 998 |

19.1.11.13.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "[ContentType2Code](#)" on page 1038

| CodeName | Name | Definition |
|----------|-------------------|---|
| DATA | PlainData | Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data). |
| SIGN | SignedData | Digital signature - (ASN.1 Object Identifier: id-signedData). |
| EVLP | EnvelopedData | Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData). |
| DGST | DigestedData | Message digest - (ASN.1 Object Identifier: id-digestedData). |
| AUTH | AuthenticatedData | MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData). |

19.1.11.13.2 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData10](#)" on page 955 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 956 |
| | Recipient <Rcpt> | [1..*] | | | 957 |
| {Or} | KeyTransport <KeyTrnsprt> | [1..1] | | | 957 |
| | Version <Vrsn> | [0..1] | Quantity | | 958 |
| | RecipientIdentification <RcptId> | [1..1] | | | 958 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 958 |
| | Issuer <Issr> | [1..1] | | | 959 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 959 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 959 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 960 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 960 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 960 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | ± | | 960 |
| | EncryptedKey <NcrptdKey> | [1..1] | Binary | | 960 |
| Or | KEK <KEK> | [1..1] | | | 961 |
| | Version <Vrsn> | [0..1] | Quantity | | 961 |
| | KEKIdentification <KEKId> | [1..1] | ± | | 961 |
| | KeyEncryptionAlgorithm <KeyNcrptnAlgo> | [1..1] | | | 961 |
| | Algorithm <Algo> | [1..1] | CodeSet | | 962 |
| | Parameter <Param> | [0..1] | | | 964 |
| | EncryptionFormat <NcrptnFrmt> | [0..1] | CodeSet | | 964 |
| | InitialisationVector <InitIstnVctr> | [0..1] | Binary | | 965 |
| | BytePadding <BPddg> | [0..1] | CodeSet | | 965 |
| | EncryptedKey <NcrptdKey> | [0..1] | Binary | | 965 |
| Or} | KeyIdentifier <Keyldr> | [1..1] | ± | | 965 |
| | MACAlgorithm <MACAlgo> | [1..1] | ± | | 966 |
| | EncapsulatedContent <NcpsltdCntr> | [1..1] | ± | | 966 |
| | MAC <MAC> | [1..1] | Binary | | 966 |

19.1.11.13.3 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "[SignedData9](#)" on page 982 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|------|--|--------|----------|-------------|------|
| | Version <Vrsn> | [0..1] | Quantity | | 983 |
| | DigestAlgorithm <DgstAlgo> | [0..*] | ± | | 983 |
| | EncapsulatedContent <NcpsItdCntr> | [0..1] | ± | | 984 |
| | Certificate <Cert> | [0..*] | Binary | | 984 |
| | Signer <Sgnr> | [0..*] | | | 984 |
| | Version <Vrsn> | [0..1] | Quantity | | 985 |
| | SignerIdentification <SgnrlId> | [0..1] | | | 985 |
| {Or} | IssuerAndSerialNumber <IssrAndSrlNb> | [1..1] | | | 985 |
| | Issuer <Issr> | [1..1] | | | 985 |
| | RelativeDistinguishedName <RltvDstngshdNm> | [1..*] | | | 986 |
| | AttributeType <AttrTp> | [1..1] | CodeSet | | 986 |
| | AttributeValue <AttrVal> | [1..1] | Text | | 986 |
| | SerialNumber <SrlNb> | [1..1] | Binary | | 986 |
| Or} | SubjectKeyIdentifier <SbjtKeyldr> | [1..1] | Binary | | 987 |
| | DigestAlgorithm <DgstAlgo> | [1..1] | ± | | 987 |
| | SignedAttributes <SgndAttrbts> | [0..*] | | | 987 |
| | Name <Nm> | [1..1] | Text | | 987 |
| | Value <Val> | [0..1] | Text | | 987 |
| | SignatureAlgorithm <SgntrAlgo> | [1..1] | ± | | 987 |
| | Signature <Sgntr> | [1..1] | Binary | | 988 |

19.1.11.14 CryptographicKey18

Definition: Cryptographic Key.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|----------|-------------|------|
| | Identification < <i>Id</i> > | [1..1] | Text | | 1000 |
| | AdditionalIdentification < <i>AddtlId</i> > | [0..1] | Binary | | 1000 |
| | Name < <i>Nm</i> > | [0..1] | Text | | 1001 |
| | SecurityProfile < <i>SctyPrfl</i> > | [0..1] | Text | | 1001 |
| | ItemNumber < <i>ItmNb</i> > | [0..1] | Text | | 1001 |
| | Version < <i>Vrsn</i> > | [1..1] | Text | | 1001 |
| | Type < <i>Tp</i> > | [0..1] | CodeSet | | 1001 |
| | Function < <i>Fctn</i> > | [0..*] | CodeSet | | 1002 |
| | ActivationDate < <i>ActvtnDt</i> > | [0..1] | DateTime | | 1002 |
| | DeactivationDate < <i>DeactvtnDt</i> > | [0..1] | DateTime | | 1003 |
| | KeyValue < <i>KeyVal</i> > | [0..1] | ± | | 1003 |
| | ComponentWithAuthorisedAccess < <i>CmpntWthAuthrsdAccs</i> > | [0..*] | | | 1003 |
| | Identification < <i>Id</i> > | [1..1] | Text | | 1003 |
| | Type < <i>Tp</i> > | [1..1] | CodeSet | | 1003 |
| | ProtectedComponentWithAuthorisedAccess < <i>PrtctdCmpntWthAuthrsdAccs</i> > | [0..*] | ± | | 1004 |
| | KeyCheckValue < <i>KeyChckVal</i> > | [0..1] | Binary | | 1004 |
| | AdditionalManagementInformation < <i>AddtlMgmtInf</i> > | [0..*] | | | 1004 |
| | Name < <i>Nm</i> > | [1..1] | Text | | 1004 |
| | Value < <i>Val</i> > | [0..1] | Text | | 1005 |

19.1.11.14.1 Identification <*Id*>

Presence: [1..1]

Definition: Name of the cryptographic key.

Datatype: ["Max350Text" on page 1088](#)

19.1.11.14.2 AdditionalIdentification <*AddtlId*>

Presence: [0..1]

Definition: Additional identification of the key.

Usage

For derived unique key per transaction (DUKPT) keys, the key serial number (KSN) with the 21 bits of the transaction counter set to zero.

Datatype: ["Max35Binary" on page 1015](#)

19.1.11.14.3 Name <Nm>*Presence:* [0..1]*Definition:* Name of the Cryptographic Element.*Datatype:* "Max256Text" on page 1087**19.1.11.14.4 SecurityProfile <SctyPrfl>***Presence:* [0..1]*Definition:* Identification of the set of security elements to which this element belongs.*Datatype:* "Max35Text" on page 1088**19.1.11.14.5 ItemNumber <ItmNb>***Presence:* [0..1]*Definition:* Hierarchical identification of a key inside all the key system. It is composed of all item numbers of the upper level components, separated by the '.' character, ended by the item number of the current component.*Datatype:* "Max35Text" on page 1088**19.1.11.14.6 Version <Vrsn>***Presence:* [1..1]*Definition:* Version of the cryptographic key.*Datatype:* "Max256Text" on page 1087**19.1.11.14.7 Type <Tp>***Presence:* [0..1]*Definition:* Type of algorithm used by the cryptographic key.*Datatype:* "CryptographicKeyType3Code" on page 1039

| CodeName | Name | Definition |
|-----------------|-------------|--|
| AES2 | AES128 | AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EDE3 | DES112 | Data encryption standard key of 112 bits (without the parity bits). |
| DKP9 | DUKPT2009 | DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A. |
| AES9 | AES192 | AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| AES5 | AES256 | AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal |

| CodeName | Name | Definition |
|----------|--------|--|
| | | Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EDE4 | DES168 | Data encryption standard key of 168 bits (without the parity bits). |

19.1.11.14.8 Function <Fctn>

Presence: [0..*]

Definition: Allowed usage of the key.

Datatype: "KeyUsage1Code" on page 1047

| CodeName | Name | Definition |
|----------|---------------------------------------|--|
| ENCR | Encryption | Key may encrypt. |
| DCPT | Decryption | Key may decrypt. |
| DENC | DataEncryption | Key may encrypt data. |
| DDEC | DataDecryption | Key may decrypt data. |
| TRNI | TranslateInput | Key may encrypt information before translation. |
| TRNX | TranslateOutput | Key may encrypt information after translation. |
| MACG | MessageAuthenticationCodeGeneration | Key may generate message authentication codes (MAC). |
| MACV | MessageAuthenticationCodeVerification | Key may verify message authentication codes (MAC). |
| SIGG | SignatureGeneration | Key may generate digital signatures. |
| SUGV | SignatureVerification | Key may verify digital signatures. |
| PINE | PINEncryption | Key may encrypt personal identification numbers (PIN). |
| PIND | PINDecryption | Key may decrypt personal identification numbers (PIN). |
| PINV | PINVerification | Key may verify personal identification numbers (PIN). |
| KEYG | KeyGeneration | Key may generate keys. |
| KEYI | KeyImport | Key may import keys. |
| KEYX | KeyExport | Key may export keys. |
| KEYD | KeyDerivation | Key may derive keys. |

19.1.11.14.9 ActivationDate <ActvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be activated.

Datatype: "ISODateTime" on page 1081

19.1.11.14.10 DeactivationDate <DeactvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be deactivated.

Datatype: "ISODATETIME" on page 1081

19.1.11.14.11 KeyValue <KeyVal>

Presence: [0..1]

Definition: Encrypted cryptographic key.

KeyValue <KeyVal> contains the following elements (see "[ContentInformationType39](#)" on page 992 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CnttTp> | [1..1] | CodeSet | | 992 |
| | EnvelopedData <EnvlpdData> | [0..1] | ± | | 992 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 994 |
| | SignedData <SgndData> | [0..1] | ± | | 995 |
| | DigestedData <DgstdData> | [0..1] | ± | | 996 |

19.1.11.14.12 ComponentWithAuthorisedAccess <CmpntWthAuthrsdAccs>

Presence: [0..*]

Definition: Identification of components which are allowed to access this cryptographic key.

ComponentWithAuthorisedAccess <CmpntWthAuthrsdAccs> contains the following [GenericIdentification186](#) elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|---------|-------------|------|
| | Identification <Id> | [1..1] | Text | | 1003 |
| | Type <Tp> | [1..1] | CodeSet | | 1003 |

19.1.11.14.12.1 Identification <Id>

Presence: [1..1]

Definition: Identification of an element in the system.

Datatype: "Max256Text" on page 1087

19.1.11.14.12.2 Type <Tp>

Presence: [1..1]

Definition: Type of actor in the system.

Datatype: "PartyType7Code" on page 1055

| CodeName | Name | Definition |
|----------|----------|-------------------------------------|
| ACQR | Acquirer | Entity acquiring card transactions. |

| CodeName | Name | Definition |
|----------|-------------------|---|
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| PCPT | POIComponent | Party component of a POI system or POI terminal (Point of Interaction). |
| TMGT | TerminalManager | Responsible for one or several maintenance functions of a card payment acceptance terminal. |
| SALE | SaleSystem | Party selling goods and services. |

19.1.11.14.13 ProtectedComponentWithAuthorisedAccess <PrtctdCmpntWthAuthrsdAccs>

Presence: [0..*]

Definition: Protection of Identification of components which are allowed to access this cryptographic key.

ProtectedComponentWithAuthorisedAccess <PrtctdCmpntWthAuthrsdAccs> contains the following elements (see "[ContentInformationType39](#)" on page 992 for details)

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | ContentType <CntTp> | [1..1] | CodeSet | | 992 |
| | EnvelopedData <EnvlpdData> | [0..1] | ± | | 992 |
| | AuthenticatedData <AuthntcdData> | [0..1] | ± | | 994 |
| | SignedData <SgndData> | [0..1] | ± | | 995 |
| | DigestedData <DgstdData> | [0..1] | ± | | 996 |

19.1.11.14.14 KeyCheckValue <KeyChckVal>

Presence: [0..1]

Definition: Value for checking a cryptographic key security parameter.

Datatype: "[Max35Binary](#)" on page 1015

19.1.11.14.15 AdditionalManagementInformation <AddtlMgmtInf>

Presence: [0..*]

Definition: Additional Information needed by the receiver to securely process the management of the security element.

AdditionalManagementInformation <AddtlMgmtInf> contains the following **GenericInformation1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|------|-------------|------|
| | Name <Nm> | [1..1] | Text | | 1004 |
| | Value <Val> | [0..1] | Text | | 1005 |

19.1.11.14.15.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: ["Max70Text" on page 1090](#)

19.1.11.14.15.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: ["Max140Text" on page 1086](#)

19.1.12 Structured Postal Address

19.1.12.1 PostalAddress2

Definition: Address of a party expressed in a formal structure, usually according to the country's postal services specifications.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|----------------------------------|--------|---------|-------------|------|
| | StreetName <StrtNm> | [0..1] | Text | | 1005 |
| | PostCodeIdentification <PstCdId> | [1..1] | Text | | 1005 |
| | TownName <TwnNm> | [1..1] | Text | | 1005 |
| | CountrySubDivision <CtrySubDvsn> | [0..1] | Text | | 1005 |
| | Country <Ctry> | [1..1] | CodeSet | C3 | 1006 |

19.1.12.1.1 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: ["Max70Text" on page 1090](#)

19.1.12.1.2 PostCodeIdentification <PstCdId>

Presence: [1..1]

Definition: Identifier consisting of a group of letters and/or numbers that is added to a postal address to assist the sorting of mail.

Datatype: ["Max16Text" on page 1086](#)

19.1.12.1.3 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: ["Max35Text" on page 1088](#)

19.1.12.1.4 CountrySubDivision <CtrySubDvsn>

Presence: [0..1]

Definition: Identifies a subdivision of a country for example, state, region, county.

Datatype: ["Max35Text" on page 1088](#)

19.1.12.1.5 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 1039

Constraints

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

19.1.13 Synchronisation

19.1.13.1 ProcessRetry3

Definition: Definition of retry process if activation of an action fails.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | Delay <Dely> | [1..1] | Text | | 1006 |
| | MaximumNumber <MaxNb> | [0..1] | Quantity | | 1006 |
| | UnitOfTime <UnitOfTm> | [0..1] | CodeSet | | 1006 |

19.1.13.1.1 Delay <Dely>

Presence: [1..1]

Definition: Time period to wait for a retry in months, days, hours and minutes, leading zeros could be omitted.

Datatype: "Max9NumericText" on page 1090

19.1.13.1.2 MaximumNumber <MaxNb>

Presence: [0..1]

Definition: Maximum number of retries.

Datatype: "Number" on page 1084

19.1.13.1.3 UnitOfTime <UnitOfTm>

Presence: [0..1]

Definition: Identification of the minimum unit of time used by time configuration parameters.

Datatype: "TimeUnit1Code" on page 1076

| CodeName | Name | Definition |
|----------|-------------|----------------------------|
| DAYC | CalendarDay | Time unit is calendar day. |
| HOUR | Hour | Time unit is hour. |
| MINU | Minute | Time unit is minute. |

| CodeName | Name | Definition |
|----------|--------|----------------------|
| MNTH | Month | Time unit is month. |
| SECO | Second | Time unit is second. |
| WEEK | Week | Time unit is week. |
| YEAR | Year | Time unit is year. |

19.1.13.2 ProcessTiming6

Definition: Parameters defining the timing conditions to process an action.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-------------------------|--------|----------|-------------|------|
| | StartTime <StartTm> | [0..1] | DateTime | | 1007 |
| | EndTime <EndTm> | [0..1] | DateTime | | 1007 |
| | Period <Prd> | [0..1] | Text | | 1007 |
| | UnitOfTime <UnitOfTm> | [0..1] | CodeSet | | 1007 |

19.1.13.2.1 StartTime <StartTm>

Presence: [0..1]

Definition: Date and time to start the action.

Datatype: ["ISODateTime" on page 1081](#)

19.1.13.2.2 EndTime <EndTm>

Presence: [0..1]

Definition: Date and time after which the action cannot be processed.

Datatype: ["ISODateTime" on page 1081](#)

19.1.13.2.3 Period <Prd>

Presence: [0..1]

Definition: Period delay between cyclic action activation in months, days, hours and minutes, leading zeros could be omitted.

Datatype: ["Max9NumericText" on page 1090](#)

19.1.13.2.4 UnitOfTime <UnitOfTm>

Presence: [0..1]

Definition: Identification of the minimum unit of time used by time configuration parameters.

Datatype: ["TimeUnit1Code" on page 1076](#)

| CodeName | Name | Definition |
|----------|-------------|----------------------------|
| DAYC | CalendarDay | Time unit is calendar day. |
| HOUR | Hour | Time unit is hour. |
| MINU | Minute | Time unit is minute. |

| CodeName | Name | Definition |
|----------|--------|----------------------|
| MNTH | Month | Time unit is month. |
| SECO | Second | Time unit is second. |
| WEEK | Week | Time unit is week. |
| YEAR | Year | Time unit is year. |

19.1.14 Token

19.1.14.1 Token1

Definition: Unencrypted sensitive data of a token.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | PaymentToken <PmtTkn> | [0..1] | Text | | 1008 |
| | TokenExpiryDate <TknXpryDt> | [0..1] | Text | | 1008 |
| | TokenRequestorIdentification <TknRqstrId> | [0..1] | Text | | 1008 |
| | TokenAssuranceData <TknAssrncData> | [0..1] | Text | | 1008 |
| | TokenAssuranceMethod <TknAssrncMtd> | [0..1] | Text | | 1009 |
| | TokenInitiatedIndicator <TknInittdInd> | [0..1] | Indicator | | 1009 |

19.1.14.1.1 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: ["Max19NumericText" on page 1087](#)

19.1.14.1.2 TokenExpiryDate <TknXpryDt>

Presence: [0..1]

Definition: Expiry date of the payment token.

ISO 8583 bit 14.

Datatype: ["Exact4NumericText" on page 1085](#)

19.1.14.1.3 TokenRequestorIdentification <TknRqstrId>

Presence: [0..1]

Definition: Identification of a party requesting a token.

Datatype: ["Max11NumericText" on page 1086](#)

19.1.14.1.4 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Supporting information for the Token Assurance Method.

Datatype: ["Max140Text" on page 1086](#)

19.1.14.1.5 TokenAssuranceMethod <TknAssrncMtd>

Presence: [0..1]

Definition: Value that allows a Token Service Provider to indicate the identification and verification performed representing the binding of the payment token to the underlying PAN and cardholder.

Datatype: "Max2NumericText" on page 1087

19.1.14.1.6 TokenInitiatedIndicator <TknInittdInd>

Presence: [0..1]

Definition: Original transaction was initiated by Token.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.14.2 MerchantToken2

Definition: Merchant token information.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|---|--------|-----------|-------------|------|
| | Token < <i>Tkn</i> > | [0..1] | Text | | 1009 |
| | TokenExpiryDate < <i>TknXpryDt</i> > | [0..1] | Text | | 1009 |
| | TokenCharacteristic < <i>TknChrtc</i> > | [0..*] | Text | | 1010 |
| | TokenRequestor < <i>TknRqstr</i> > | [0..1] | | | 1010 |
| | ProviderIdentification < <i>PrvdrId</i> > | [1..1] | Text | | 1010 |
| | RequestorIdentification < <i>RqstrId</i> > | [1..1] | Text | | 1010 |
| | TokenAssuranceLevel < <i>TknAssrncLvl</i> > | [0..1] | Quantity | | 1010 |
| | TokenAssuranceData < <i>TknAssrncData</i> > | [0..1] | Binary | | 1010 |
| | TokenAssuranceMethod < <i>TknAssrncMtd</i> > | [0..1] | Text | | 1010 |
| | TokenInitiatedIndicator < <i>TknInittdInd</i> > | [0..1] | Indicator | | 1011 |

19.1.14.2.1 Token <Tkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "Max35Text" on page 1088

19.1.14.2.2 TokenExpiryDate <TknXpryDt>

Presence: [0..1]

Definition: Expiration date of the payment token that is generated by and maintained in the token vault.

Datatype: "Max10Text" on page 1086

19.1.14.2.3 TokenCharacteristic <TknChrtc>

Presence: [0..*]

Definition: Additional payment token information.

Datatype: "Max35Text" on page 1088

19.1.14.2.4 TokenRequestor <TknRqstr>

Presence: [0..1]

Definition: Identifier of a token provider requestor.

TokenRequestor <TknRqstr> contains the following **PaymentTokenIdentifiers1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|------|-------------|------|
| | ProviderIdentification <PrvdrId> | [1..1] | Text | | 1010 |
| | RequestorIdentification <RqstrId> | [1..1] | Text | | 1010 |

19.1.14.2.4.1 ProviderIdentification <PrvdrId>

Presence: [1..1]

Definition: Identifier of the token provider.

Datatype: "Max35Text" on page 1088

19.1.14.2.4.2 RequestorIdentification <RqstrId>

Presence: [1..1]

Definition: Identifier of the token requestor.

Datatype: "Max35Text" on page 1088

19.1.14.2.5 TokenAssuranceLevel <TknAssrncLvl>

Presence: [0..1]

Definition: Level of confidence resulting of the identification and authentication of the cardholder performed and the entity that performed it.

Datatype: "Number" on page 1084

19.1.14.2.6 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Information about the identification and verification of the cardholder.

Datatype: "Max500Binary" on page 1016

19.1.14.2.7 TokenAssuranceMethod <TknAssrncMtd>

Presence: [0..1]

Definition: Value that allows a Token Service Provider to indicate the identification and verification performed representing the binding of the payment token to the underlying PAN and cardholder.

Datatype: "Max2NumericText" on page 1087

19.1.14.2.8 TokenInitiatedIndicator <TknInittdInd>

Presence: [0..1]

Definition: Original transaction was initiated by Token.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.1.14.3 CardPaymentToken5

Definition: Payment token information.

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|--|--------|-----------|-------------|------|
| | Token <Tkn> | [0..1] | Text | | 1011 |
| | CardSequenceNumber <CardSeqNb> | [0..1] | Text | | 1011 |
| | TokenExpiryDate <TknXpryDt> | [0..1] | Text | | 1011 |
| | TokenCharacteristic <TknChrc> | [0..*] | Text | | 1012 |
| | TokenRequestor <TknRqstr> | [0..1] | | | 1012 |
| | ProviderIdentification <PrvdrId> | [1..1] | Text | | 1012 |
| | RequestorIdentification <RqstrId> | [1..1] | Text | | 1012 |
| | TokenAssuranceLevel <TknAssrncLvl> | [0..1] | Quantity | | 1012 |
| | TokenAssuranceData <TknAssrncData> | [0..1] | Binary | | 1012 |
| | TokenAssuranceMethod <TknAssrncMtd> | [0..1] | Text | | 1012 |
| | TokenInitiatedIndicator <TknInittdInd> | [0..1] | Indicator | | 1013 |

19.1.14.3.1 Token <Tkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "[Min8Max28NumericText](#)" on page 1091

19.1.14.3.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a payment token inside a set of cards with the same PAN.

Datatype: "[Min2Max3NumericText](#)" on page 1091

19.1.14.3.3 TokenExpiryDate <TknXpryDt>

Presence: [0..1]

Definition: Expiration date of the payment token that is generated by and maintained in the token vault.

Datatype: "[Max10Text](#)" on page 1086

19.1.14.3.4 TokenCharacteristic <TknChrtc>

Presence: [0..*]

Definition: Additional payment token information.

Datatype: "Max35Text" on page 1088

19.1.14.3.5 TokenRequestor <TknRqstr>

Presence: [0..1]

Definition: Identifier of a token provider requestor.

TokenRequestor <TknRqstr> contains the following **PaymentTokenIdentifiers1** elements

| Or | MessageElement<XML Tag> | Mult. | Type | Constr. No. | Page |
|----|-----------------------------------|--------|------|-------------|------|
| | ProviderIdentification <PrvdrId> | [1..1] | Text | | 1012 |
| | RequestorIdentification <RqstrId> | [1..1] | Text | | 1012 |

19.1.14.3.5.1 ProviderIdentification <PrvdrId>

Presence: [1..1]

Definition: Identifier of the token provider.

Datatype: "Max35Text" on page 1088

19.1.14.3.5.2 RequestorIdentification <RqstrId>

Presence: [1..1]

Definition: Identifier of the token requestor.

Datatype: "Max35Text" on page 1088

19.1.14.3.6 TokenAssuranceLevel <TknAssrncLvl>

Presence: [0..1]

Definition: Level of confidence resulting of the identification and authentication of the cardholder performed and the entity that performed it.

Datatype: "Number" on page 1084

19.1.14.3.7 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Information about the identification and verification of the cardholder.

Datatype: "Max500Binary" on page 1016

19.1.14.3.8 TokenAssuranceMethod <TknAssrncMtd>

Presence: [0..1]

Definition: Value that allows a Token Service Provider to indicate the identification and verification performed representing the binding of the payment token to the underlying PAN and cardholder.

Datatype: "Max2NumericText" on page 1087

19.1.14.3.9 TokenInitiatedIndicator <TknInittdInd>

Presence: [0..1]

Definition: Original transaction was initiated by Token.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1083):

- *Meaning When True:* True
- *Meaning When False:* False

19.2 Message Datatypes

19.2.1 Amount

19.2.1.1 ActiveCurrencyAndAmount

Definition: A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.

Type: Amount

This data type contains the following XML attribute:

| Name | Attribute XML Name | Datatype |
|----------|--------------------|---|
| Currency | Ccy | " ActiveCurrencyCode " on page 1017 |

Format

| | |
|----------------|----|
| minInclusive | 0 |
| totalDigits | 18 |
| fractionDigits | 5 |

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

- **CurrencyAmount**

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

19.2.1.2 ImpliedCurrencyAndAmount

Definition: Number of monetary units specified in a currency where the unit of currency is implied by the context and compliant with ISO 4217. The decimal separator is a dot.

Note: a zero amount is considered a positive amount.

Type: Amount

Format

| | |
|----------------|----|
| minInclusive | 0 |
| totalDigits | 18 |
| fractionDigits | 5 |

19.2.2 Binary

19.2.2.1 Max10000Binary

Definition: Specifies a binary string with a maximum length of 10000 binary bytes.

Type: Binary

Format

| | |
|-----------|-------|
| minLength | 1 |
| maxLength | 10000 |

19.2.2.2 Max100KBinary

Definition: Binary data of 100K maximum.

Type: Binary

Format

| | |
|-----------|--------|
| minLength | 1 |
| maxLength | 102400 |

19.2.2.3 Max10KBinary

Definition: Binary data of 10K maximum.

Type: Binary

Format

| | |
|-----------|-------|
| minLength | 1 |
| maxLength | 10240 |

19.2.2.4 Max140Binary

Definition: Specifies a binary string with a maximum length of 140 binary bytes.

Type: Binary

Format

| | |
|-----------|-----|
| minLength | 1 |
| maxLength | 140 |

19.2.2.5 Max2KBinary

Definition: Binary data of 2K maximum.

Type: Binary

Format

| | |
|-----------|------|
| minLength | 1 |
| maxLength | 2048 |

19.2.2.6 Max2MBBinary

Definition: Binary data of 2MB maximum.

Type: Binary

Format

| | |
|-----------|---------|
| minLength | 1 |
| maxLength | 2097152 |

19.2.2.7 Max3000Binary

Definition: Specifies a binary string with a maximum length of 3000 binary bytes.

Type: Binary

Format

| | |
|-----------|------|
| minLength | 1 |
| maxLength | 3000 |

19.2.2.8 Max35Binary

Definition: Specifies a binary string with a maximum length of 35 binary bytes.

Type: Binary

Format

| | |
|-----------|----|
| minLength | 1 |
| maxLength | 35 |

19.2.2.9 Max5000Binary

Definition: Specifies a binary string with a maximum length of 5000 binary bytes.

Type: Binary

Format

| | |
|-----------|------|
| minLength | 1 |
| maxLength | 5000 |

19.2.2.10 Max500Binary

Definition: Specifies a binary string with a maximum length of 500 binary bytes.

Type: Binary

Format

| | |
|-----------|-----|
| minLength | 1 |
| maxLength | 500 |

19.2.2.11 Min1Max256Binary

Definition: Specifies a binary string with a minimum length of 1 byte, and a maximum length of 256 bytes.

Type: Binary

Format

| | |
|-----------|-----|
| minLength | 1 |
| maxLength | 256 |

19.2.3 CodeSet

19.2.3.1 ActionType13Code

Definition: Type of action to be performed by the point of interaction (POI).

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------------|--|
| BUSY | Busy | Server busy, try later. |
| CPTR | CaptureCard | Capture the card. |
| DISP | DisplayMessage | Message to display, print or log. |
| NOVR | ForbidOverride | Payment application cannot propose to the merchant an override of the payment transaction. |
| RQID | IdentificationRequired | Additional identification required (passport, ID card, etc.). |
| PINL | PINLastTry | Last PIN (Personal Identification Number) try. |
| PINR | PINRetry | PIN (Personal Identification Number) is wrong, retry a PIN verification. |
| PRNT | PrintMessage | Print a message. |
| RFRL | Referral | Referral has to be performed. |
| RQDT | RequestData | Request additional data through a displayed text and request confirmation by an attendant. |
| DCCQ | AcceptCurrencyConversion | Ask the cardholder to accept the currency conversion. |

| CodeName | Name | Definition |
|----------|--|---|
| FLFW | FallForward | Fall-forward from contactless to chip card transaction required. |
| PINQ | PINRequest | Request Cardholder Authentication through PIN insertion. |
| CDCV | ConsumerDeviceCardholderVerificationMethod | Request Cardholder Authentication according to the ConsumerDeviceCardholderVerification Method. |
| CHDA | CardholderAuthentication | Additional authentication of cardholder required. |
| STAR | StopAllRecurring | Recurring transactions is no more allowed for this card and for all merchants. |
| STOR | StopOneRecurring | Cardholder has revoked this recurring transaction for this merchant. |
| ACUP | AccountUpdate | Indicates that the account was updated and should be taken into account for future authorisation. |
| TALT | TryAgainLater | Indicates that the authorization should be resubmitted at a later time. |
| DNTA | DoNotTryAgain | Indicates that this account shouldn't be used anymore. |

19.2.3.2 ActiveCurrencyCode

Definition: A code allocated to a currency by a Maintenance Agency under an international identification scheme as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".

Type: CodeSet

Format

pattern [A-Z]{3,3}

Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and are not yet withdrawn on the day the message containing the Currency is exchanged.

19.2.3.3 AddressType2Code

Definition: Specifies the type of address.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------|---|
| ADDR | Postal | Address is the complete postal address. |

| CodeName | Name | Definition |
|----------|-------------|--|
| PBOX | POBox | Address is a postal office (PO) box. |
| HOME | Residential | Address is the home address. |
| BIZZ | Business | Address is the business address. |
| MLTO | MailTo | Address is the address to which mail is sent. |
| DLVY | DeliveryTo | Address is the address to which delivery is to take place. |

19.2.3.4 Algorithm26Code

Definition: Identification of a digest algorithm.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------|--|
| HS25 | SHA256 | Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256). |
| HS38 | SHA384 | Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384). |
| HS51 | SHA512 | Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512). |
| HS01 | SHA1 | The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1). |
| SH31 | SHA3-224 | Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224). |
| SH32 | SHA3-256 | Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256). |
| SH33 | SHA3-384 | Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384). |
| SH35 | SHA3-512 | Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512). |
| SHK1 | SHAKE128 | Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128). |
| SHK2 | SHAKE256 | Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256). |
| SMS3 | SM3 | ShangMi 3 hash function as defined by ISO/IEC 10118-3:2018. |

19.2.3.5 Algorithm27Code

Definition: Cryptographic algorithms for the MAC (Message Authentication Code).

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------------|---|
| MACC | RetailCBCMAC | Retail CBC (Chaining Block Cypher) MAC (Message Authentication Code) (cf. ISO 9807, ANSI X9.19) - (ASN.1 Object Identifier: id-retail-cbc-mac). |
| MCCS | RetailSHA256MAC | Retail-CBC-MAC with SHA-256 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-256). |
| CMA1 | SHA256CMACwithAES128 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message. |
| MCC1 | RetailSHA1MAC | The DEPRECATED Retail-CBC-MAC with SHA-1 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-1). |
| CMA9 | SHA384CMACwithAES192 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message. |
| CMA5 | SHA512CMACwithAES256 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message. |
| CMA2 | SHA256CMACWithAES256 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the |

| CodeName | Name | Definition |
|-----------------|------------------------|--|
| | | Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message. |
| CM31 | SHA3-256CMACWithAES128 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-256 digest of the message. |
| CM32 | SHA3-384CMACWithAES192 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-384 digest of the message. |
| CM33 | SHA3-512CMACWithAES256 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-512 digest of the message. |
| MCS3 | SHA3-256-3DESMAC | 3DES CBC-MAC with SHA3-256 (SecureHAsh standard) and ISO/IEC9797-1 method 2 padding. |
| CCA1 | CMACAES128 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| CCA2 | CMACAES192 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits |

| CodeName | Name | Definition |
|----------|------------|--|
| | | cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| CCA3 | CMACAES256 | CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| S34C | SM3SM4CBC | ShangMi 4 enciphering method used in CBC mode coupled with ShangMi 3 hash function. |
| S34R | SM3SM4CTR | ShangMi 4 enciphering method used in CTR mode coupled with ShangMi 3 hash function. |

19.2.3.6 Algorithm28Code

Definition: Cryptographic algorithms for the protection of transported keys.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------|--|
| EA2C | AES128CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| E3DC | DES112CBC | Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc). |
| DKP9 | DUKPT2009 | DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A. |
| UKPT | UKPT | UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap). |
| UKA2 | UKPTwithAES192 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA9C | AES192CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as |

| CodeName | Name | Definition |
|-----------------|--------------------------|--|
| | | defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA5C | AES256CBC | AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| DA12 | AESDUKPT128ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits. |
| DA19 | AESDUKPT192ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits. |
| DA25 | AESDUKPT256ECB | AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits. |
| N108 | Nist800-108KeyDerivation | Key Derivation according to the Special Publication from the NIST entitled 800-108. |
| EA5R | AES256CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA9R | AES192CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EA2R | AES128CTR | AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| E3DR | DES112CTR | Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a. |
| E36C | DES168CBC | Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc). |
| E36R | DES168CTR | Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple |

| CodeName | Name | Definition |
|----------|----------------|--|
| | | length key (168 Bit) as defined in FIPS SP 800-38a. |
| SD5C | SDE056CBC | The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS PUB 81 - (ASN.1 Object Identifier: des-cbc). |
| UKA1 | UKPTwithAES128 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| UKA3 | UKPTwithAES256 | UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| SM4C | SM4CBC | ShangMi 4 enciphering method used in CBC mode. |
| SM4R | SM4CTR | ShangMi 4 enciphering method used in CTR mode. |

19.2.3.7 Algorithm29Code

Definition: Cryptographic algorithms for digital signatures.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------|--|
| ERS2 | SHA256WithRSA | Signature algorithms with RSA, using SHA-256 digest algorithm - (ASN.1 Object Identifier: sha256WithRSAEncryption). |
| ERS1 | SHA1WithRSA | The DEPRECATED Signature algorithms with RSA (PKCS #1 version 2.1), using SHA-1 digest algorithm - (ASN.1 Object Identifier: sha1WithRSAEncryption). |
| RPSS | RSASSA-PSS | Signature algorithm with Appendix, Probabilistic Signature Scheme (PKCS #1 version 2.1), - (ASN.1 Object Identifier: id-RSASSA-PSS). |
| ERS3 | SHA3-256WithRSA | Signature algorithms with RSA, using SHA3-256 digest algorithm. (ASN.1 Object Identifier: id-rsassa-pkcs1-v1-5-with-sha3-256). |

| CodeName | Name | Definition |
|-----------------|----------------|---|
| ED32 | EcdsaSha3-256 | Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| ED33 | EcdsaSha3-384 | Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| ED35 | EcdsaSha3-512 | Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| ED23 | EcdsaSha384 | Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| ED25 | EcdsaSha512 | Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| ES22 | Ecsdsasha256 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| ES32 | EcsdaSha3-256 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| ES33 | Ecsdsasha3-384 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| ES35 | Ecsdsasha3-512 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| ES23 | Ecsdsasha384 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| ES25 | Ecsdsasha512 | Elliptic Curve Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| ED22 | EcdsaSha256 | Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| EF32 | Ecfdsasha3-256 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| EF22 | Ecfdsasha256 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| EF33 | Ecfdsasha3-384 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| EF35 | Ecfdsasha3-512 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm. |
| EF23 | Ecfdsasha384 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |

| CodeName | Name | Definition |
|-----------------|-----------------|--|
| EO33 | EcosdsaSha3-384 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| EF25 | EcfdsdaSha512 | Elliptic Curve Full Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| EO32 | EcosdaSha3-256 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| EO22 | EcosdsaSha256 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| EO35 | EcosdsaSha3-512 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm. |
| EO23 | EcosdsaSha384 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| EO25 | EcosdsaSha512 | Elliptic Curve Optimised Schnorr Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| DD22 | EddsaSha256 | Edward Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| DD32 | EddsaSha3-256 | Edward Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| DD33 | EddsaSha3-384 | Edward Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| DD35 | EddsaSha3-512 | Edward Curve Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm. |
| DD23 | EddsaSha384 | Edward Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| DD25 | EddsaSha512 | Edward Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| SM22 | SM2Sha256 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-256 Digest Algorithm. |
| SM33 | SM2Sha3-384 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-384 Digest Algorithm. |
| SM32 | SM2Sha3-256 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-256 Digest Algorithm. |
| SM35 | SM2Sha3-512 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA3-512 Digest Algorithm. |

| CodeName | Name | Definition |
|----------|-----------|---|
| SM23 | SM2Sha384 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-384 Digest Algorithm. |
| SM25 | SM2Sha512 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with SHA2-512 Digest Algorithm. |
| S2S3 | SM2SM3 | ShangMi2 Elliptic Curve Digital Signature Algorithm coupled with ShangMi3 Digest Algorithm. |

19.2.3.8 Algorithm7Code

Definition: Asymmetric encryption algorithm of a transport key.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------|---|
| ERSA | RSAEncryption | RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption). |
| RSAO | RSAES-OAEP | RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP). |

19.2.3.9 Algorithm8Code

Definition: Mask generator functions of the RSAES-OAEP encryption algorithm (RSA Encryption Scheme: Optimal Asymmetric Encryption Padding).

Type: CodeSet

| CodeName | Name | Definition |
|----------|------|---|
| MGF1 | MGF1 | Generator Function, used for RSA encryption and RSA digital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1). |

19.2.3.10 AmountUnit1Code

Definition: Unit of a amount (for loyalty or account).

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------|--|
| MONE | Monetary | The amount is expressed in a monetary value in a currency. |
| POIN | Point | The amount is expressed in point. |

19.2.3.11 AttendanceContext1Code

Definition: Human attendance at the POI location during the transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------|--|
| ATTD | Attended | Attended payment, with an attendant. |
| SATT | SemiAttended | Semi-attended, including self checkout. An attendant supervises several payment, and could be called to help the cardholder. |
| UATT | Unattended | Unattended payment, no attendant present. |

19.2.3.12 AttendanceContext2Code

Definition: Identify the method of delivery or distribution.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|-------------------------------------|
| ATTR | AttendantDelivery | Delivery by an attendant. |
| CARR | CarrierDelivery | Delivery by a carrier. |
| CUST | CustomerDelivery | Delivery by the customer. |
| FULL | FullServe | Full service for fuel distribution. |
| SELF | SelfServe | Self service for fuel distribution. |

19.2.3.13 AttributeType1Code

Definition: Type of attribute of a distinguished name (DN).

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------------|--|
| CNAT | CommonName | Common name of the attribute (ASN.1 Object Identifier: id-at-commonName). |
| LATT | Locality | Locality of the attribute (ASN.1 Object Identifier: id-at-localityName). |
| OATT | OrganisationName | Organization name of the attribute (ASN.1 Object Identifier: id-at-organizationName). |
| OUAT | OrganisationUnitName | Organization unit name of the attribute (ASN.1 Object Identifier: id-at-organizationalUnitName). |
| CATT | CountryName | Country name of the attribute (ASN.1 Object Identifier: id-at-countryName). |

19.2.3.14 AuthenticationEntity2Code

Definition: Entity or device that has performed the verification.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------|---|
| ICCD | ICC | Application in the chip card (Integrated Circuit Card), for instance an offline PIN verification. |

| CodeName | Name | Definition |
|----------|-----------------|---|
| AGNT | AuthorisedAgent | Authorisation agent of the issuer. |
| MERC | Merchant | Merchant (for example signature verification by the attendant). |
| ACQR | Acquirer | Acquirer of the transaction. |
| ISSR | Issuer | Card issuer. |
| TRML | Terminal | Secure application in the terminal. |

19.2.3.15 AuthenticationMethod6Code

Definition: Methods used to authenticate a person or a card.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------------------|--|
| NPIN | OnLinePIN | On-line PIN authentication (Personal Identification Number). |
| PPSG | PaperSignature | Handwritten paper signature. |
| PSWD | Password | Authentication by a password. |
| SCRT | SecureCertificate | Electronic commerce transaction secured with the X.509 certificate of a customer. |
| SCNL | SecuredChannel | Channel-encrypted transaction. |
| SNCT | SecureNoCertificate | Secure electronic transaction without cardholder certificate. |
| CPSG | SignatureCapture | Electronic signature capture (handwritten signature). |
| ADDB | BillingAddressVerification | Cardholder billing address verification. |
| BIOM | Biometry | Biometric authentication of the cardholder. |
| CDHI | CardholderIdentificationData | Cardholder data provided for verification, for instance social security number, driver license number, passport number. |
| CRYP | CryptogramVerification | Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram). |
| CSCV | CSCVerification | Verification of Card Security Code. |
| PSVE | PassiveAuthentication | Authentication based on statistical cardholder behaviour. |
| CSEC | SecureElectronicCommerce | Authentication performed during a secure electronic commerce transaction. |
| ADDS | ShippingAddressVerification | Cardholder shipping address verification. |
| MANU | ManualVerification | Manual verification, for example passport or drivers license. |
| FPIN | OfflinePIN | Off-line PIN authentication (Personal Identification Number). |

| CodeName | Name | Definition |
|----------|--------------|---|
| TOKP | PaymentToken | Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token. |

19.2.3.16 AuthenticationMethod8Code

Definition: Method to authenticate the customer or its card.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------------------|---|
| TOKA | AuthenticationToken | A token is used to verify an already performed authentication. |
| ADDB | BillingAddressVerification | Cardholder billing address verification. |
| BYPS | Bypass | Authentication bypassed by the merchant. |
| BIOM | Biometry | Biometric authentication of the cardholder. |
| CDHI | CardholderIdentificationData | Cardholder data provided for verification, for instance social security number, driver license number, passport number. |
| CRYP | CryptogramVerification | Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram). |
| CSCV | CSCVerification | Verification of Card Security Code. |
| MANU | ManualVerification | Manual verification, for example passport or drivers license. |
| MERC | MerchantAuthentication | Merchant-related authentication. |
| MOBL | Mobile | Customer mobile device. |
| FPIN | OfflinePIN | Off-line PIN authentication (Personal Identification Number). |
| NPIN | OnLinePIN | On-line PIN authentication (Personal Identification Number). |
| OTHR | Other | Other customer authentication. |
| PPSG | PaperSignature | Handwritten paper signature. |
| PSVE | PassiveAuthentication | Authentication based on statistical cardholder behaviour. |
| PSWD | Password | Authentication by a password. |
| TOKP | PaymentToken | Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token. |
| SCRT | SecureCertificate | Electronic commerce transaction secured with the X.509 certificate of a customer. |
| SCNL | SecuredChannel | Channel-encrypted transaction. |

| CodeName | Name | Definition |
|-----------------|-----------------------------|---|
| CSEC | SecureElectronicCommerce | Authentication performed during a secure electronic commerce transaction. |
| SNCT | SecureNoCertificate | Secure electronic transaction without cardholder certificate. |
| ADDS | ShippingAddressVerification | Cardholder shipping address verification. |
| CPSG | SignatureCapture | Electronic signature capture (handwritten signature). |
| TOKN | TokenAuthentication | Cryptogram generated by the token requestor or a customer device to validate the authorised use of a token. |
| UKNW | UnknownMethod | Authentication method is performed unknown. |

19.2.3.17 AuthenticationResult1Code

Definition: Specifies the result of authentication done.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|----------------------|--|
| DENY | Denial | The authentication didn't succeed. |
| MRCH | MerchantNotEnroled | Merchant not enrolled in the authentication programme. |
| CARD | NonParticipation | The card does not participate in the authentication programme. |
| AUTH | UnableToAuthenticate | The authentication couldn't be carried out. |
| CRPT | WithCryptogram | Authentication succeeded with a cryptogram. |
| UCRP | WithoutCryptogram | Authentication succeeded without a cryptogram. |

19.2.3.18 BarcodeType1Code

Definition: Type of BarCode coding.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|--------------------------|--|
| COQR | BarcodeEncodedAs2DQRCode | Barcode encoded according to the 2Dimensions Quick Response Code Standard. |
| C128 | BarcodeEncodedAsCode128 | Barcode encoded according to the Code 128 standard. |
| C025 | BarcodeEncodedAsCode25 | Barcode encoded according to the Code 25 standard. |
| C039 | BarcodeEncodedAsCode39 | Barcode encoded according to the Code 39 standard. |

| CodeName | Name | Definition |
|----------|------------------------|---|
| EA13 | BarcodeEncodedAsEA13 | Barcode encoded according to the EAN13 standard. |
| EAN8 | BarcodeEncodedAsEAN8 | Barcode encoded according to the EAN8 standard. |
| P417 | BarcodeEncodedAsPDF417 | Barcode encoded according to the PDF417 standard. |
| UPCA | BarcodeEncodedAsUPCA | Barcode encoded according to the UPCA standard. |

19.2.3.19 BusinessArea2Code

Definition: Specifies the business context of the transaction

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------------------------|--|
| AIBD | ArtificialIntelligenceBasedDecision | The payment is initiated by an artificial intelligence based decision. |
| PPAY | PlainPayment | The card is used to perform a plain payment. |
| TKNF | TransitKnownFare | The card is used in a Transit business case where the fare amount is known when the transaction is initiated. |
| EOPT | EnergyOpenPayment | Indicates when the card is used in an energy business case where the amount could not be assessed when the transaction is initiated. |
| TOPT | TransitOpenPayment | Indicates when the card is used in a transit business case where the fare amount is not known when the transaction is initiated. |

19.2.3.20 BytePadding1Code

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|--|
| LNGT | LengthPadding | Message to encrypt is completed by a byte value containing the total number of added bytes. |
| NUL8 | Null80Padding | Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached. |
| NULG | NullLengthPadding | Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes. |
| NULL | NullPadding | Message to encrypt is completed by null bytes. |

| CodeName | Name | Definition |
|----------|---------------|--|
| RAND | RandomPadding | Message to encrypt is completed by random value, the last byte containing the total number of added bytes. |

19.2.3.21 CardAccountType3Code

Definition: Type of cardholder account used for the transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------------|---|
| CTDP | CertificateOfDeposit | Certificate of deposit saving account. |
| CHCK | Checking | Checking account. |
| CRDT | CreditCard | Credit card account. |
| CURR | Current | Current account. |
| CDBT | DebitCard | Debit card account. |
| DFLT | Default | Default account. |
| EPRS | EpurseCard | Electronic purse card account. |
| HEQL | HomeEquityLoan | Home equity loan credit account. |
| ISTL | InstalmentLoan | Instalment loan credit account. |
| INVS | Investment | Investment account. |
| LCDT | LineOfCredit | Line of credit account. |
| MBNW | MobilePhoneAccount | Mobile Station Integrated Services Digital Network Number (MSISDN). |
| MNMK | MoneyMarket | Money market saving account. |
| MNMC | MoneyMarketChecking | Money market checking account. |
| MTGL | MortgageLoan | Mortgage loan credit account. |
| RTRM | RetirementAccount | Retirement account. |
| RVLV | RevolvingLoanAccount | Revolving loan account. |
| SVNG | Savings | Savings account. |
| STBD | StockOrBond | Stock or bond investment account. |
| UVRL | Universal | Universal account. |
| PRPD | PrePaid | Pre-paid account. |
| FLTC | FleetCard | Fleet card account. |

19.2.3.22 CardDataReading5Code

Definition: Type of reading of the card data.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |

| CodeName | Name | Definition |
|-----------------|--------------------|--|
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |

19.2.3.23 CardDataReading8Code

Definition: Type of reading of the card data.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|----------------------------------|--|
| TAGC | Tag | Tag reading capabilities (RFID, etc.). |
| PHYS | Physical | Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event. |
| BRCD | BarCode | Bar code. |
| MGST | MagneticStripe | Magnetic stripe. |
| CICC | ICC | ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816. |
| DFLE | AccountData | Account data on file. |
| CTLS | ProximityReader | Contactless proximity reader. |
| ECTL | EMVProximityReader | Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa). |
| CDFL | CardOnFile | Card information are stored on a file. |
| SICC | SynchronousIntegratedCircuitCard | Synchronous ICC - (Integrated Circuit Card) with contact. |
| UNKW | Unknown | Unknown card reading capability. |
| QRCD | QRCode | Quick response code. |
| OPTC | OpticalCode | Optical coded reading capabilities (e.g. barcode, QR code, etc.) |

19.2.3.24 CardFallback1Code

Definition: Information about card entry mode fallback.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------------|--|
| FFLB | FallbackAfterFailure | Card fall-back occurred during the transaction in progress. The previous transaction on the terminal failed. |
| SFLB | FallbackAfterSuccess | Card fall-back occurred during the transaction in progress. The previous transaction on the terminal was successful. |
| NFLB | NoFallback | No card fall-back during the transaction in progress. |

19.2.3.25 CardholderVerificationCapability4Code

Definition: Cardholder verification capabilities by the terminal.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------------|---|
| APKI | AccountDigitalSignature | Account based digital signature. |
| CHDT | CardholderData | Cardholder authentication data. |
| MNSG | ManualSignature | Manual signature verification. |
| MNVR | ManualVerification | Other manual verification, for example passport or drivers license. |
| FBIG | OfflineBiographics | Offline biographics. |
| FBIO | OfflineBiometrics | Offline biometrics. |
| FDSG | OfflineDigitalSignature | Offline digital signature analysis. |
| FCPN | OfflinePINClear | Offline PIN in clear (Personal Identification Number). |
| FEPN | OfflinePINEncrypted | Offline PIN encrypted (Personal Identification Number). |
| NPIN | OnLinePIN | Online PIN (Personal Identification Number). |
| PKIS | PKISignature | PKI (Public Key Infrastructure) based digital signature. |
| SCEC | SecureElectronicCommerce | Three domain secure (three domain secure authentication of the cardholder). |
| NBIO | OnLineBiometrics | Online biometrics. |
| NOVF | NoCapabilities | No cardholder verification capability. |
| OTHR | Other | Other cardholder verification capabilities. |

19.2.3.26 CardIdentificationType1Code

Definition: Type of account identification.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------------------|--|
| ACCT | AccountNumber | Account identification. |
| BARC | BarCode | Bar-code with a specific form of identification. |
| ISO2 | ISOTrack2 | ISO Track 2 including identification. |
| PHON | PhoneNumber | A phone number identifies the account on which the phone card is assigned. |
| CPAN | PrimaryAccountNumber | Standard card identification (card number). |
| PRIV | PrivativeNumbering | An identification set by a privative application. |
| UUID | UniversalUniquelIdentification | A Universal Unique Identification code is set for identification. |

19.2.3.27 CardPaymentServiceType12Code

Definition: Main service provided during the card payment transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------------|--|
| BALC | Balance | Balance enquiry. |
| CACT | CardActivation | Card activation. |
| CRDP | CardPayment | Card payment. |
| CAFH | CardsFundTransferPush | Transfer of funds to a card or an account. |
| CAVR | CardVerification | Card verification. |
| CSHW | CashAdvance | Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter. |
| CSHD | CashDeposit | Cash deposit. |
| DEFR | DeferredPayment | Deferred payment. |
| LOAD | Loading | Loading or reloading non-financial account. |
| ORCR | OriginalCredit | Original credit. |
| PINC | PINChange | PIN (Personal Identification Number) change. |
| QUCH | QuasiCash | Quasi-cash. |
| RFND | Refund | Refund transaction. |
| RESA | Reservation | Reservation (pre-authorisation). |
| VALC | ValidityCheck | Card validity check. |
| UNLD | Unloading | Unloading non-financial account. |
| CAFT | CardsFundTransfer | Transfer of funds to and/or from a card account. |

| CodeName | Name | Definition |
|----------|---------------------------|--|
| CAFL | CardsFundTransferPull | Transfer of funds from a card or an account. |
| CIDD | CardInitiatingDirectDebit | Direct Debit initiated by Card. |

19.2.3.28 CardPaymentServiceType13Code

Definition: Additional attribute of the service type.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------|--|
| CRDP | CardPayment | Card payment. |
| CSHW | CashAdvance | Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter. |
| CSHD | CashDeposit | Cash deposit. |
| IRES | InitialReservation | Initial reservation. |
| DEFR | DeferredPayment | Deferred payment. |
| URES | UpdateReservation | Update reservation. |
| PRES | PaymentReservation | Payment after reservation. |
| RECP | RecurringPayment | Recurring payment. |
| INSP | Instalment | Instalment payment. |
| INSI | IssuerInstalment | Instalment payment transaction performed by the card issuer. |
| RFND | Refund | Refund transaction. |
| VCAU | VoiceAuthorisation | Voice authorisation. |

19.2.3.29 CardPaymentServiceType14Code

Definition: Additional attributes of the service provided by the card payment transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------|---|
| IRES | InitialReservation | Initial reservation. |
| URES | UpdateReservation | Update reservation. |
| PRES | PaymentReservation | Payment after reservation. |
| ARES | AdditionalPayment | Additional payment after reservation. |
| FREC | FirstRecurring | Initial recurring payment. |
| RREC | FollowingRecurring | Repeat recurring payment. |
| GOPT | GuaranteeOfPayment | Acceptor claims for guarantee of payment. |

19.2.3.30 CardPaymentServiceType5Code

Definition: Main service provided during the card payment transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------------|--|
| BALC | Balance | Balance enquiry. |
| CACT | CardActivation | Card activation. |
| CRDP | CardPayment | Card payment. |
| CAFH | CardsFundTransferPush | Transfer of funds to a card or an account. |
| CAVR | CardVerification | Card verification. |
| CSHW | CashAdvance | Cash advance or withdrawals on a POI (Point Of Interaction), or at a bank counter. |
| CSHD | CashDeposit | Cash deposit. |
| DEFR | DeferredPayment | Deferred payment. |
| LOAD | Loading | Loading or reloading non-financial account. |
| ORCR | OriginalCredit | Original credit. |
| PINC | PINChange | PIN (Personal Identification Number) change. |
| QUCH | QuasiCash | Quasi-cash. |
| RFND | Refund | Refund transaction. |
| RESA | Reservation | Reservation (pre-authorisation). |
| VALC | ValidityCheck | Card validity check. |
| UNLD | Unloading | Unloading non-financial account. |
| CAFT | CardsFundTransfer | Transfer of funds to and/or from a card account. |
| CAFL | CardsFundTransferPull | Transfer of funds from a card or an account. |

19.2.3.31 CardPaymentServiceType9Code

Definition: Service provided by the card payment transaction, in addition to the main service.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|------------------------------------|
| AGGR | Aggregation | Aggregation of low payments. |
| DCCV | DCC | Dynamic currency conversion (DCC). |
| GRTT | Gratuity | Card payment with gratuity. |
| LOYT | Loyalty | Loyalty services. |
| NRES | NoShow | No show after reservation. |
| PUCO | PurchaseCorporate | Purchase and corporate data. |

| CodeName | Name | Definition |
|----------|-------------------------|---|
| RECP | RecurringPayment | Recurring payment. |
| SOAF | SolicitedAvailableFunds | Solicited available funds. |
| VCAU | VoiceAuthorisation | Voice authorisation. |
| INSI | IssuerInstalment | Instalment payment transaction performed by the card issuer. |
| INSA | AcceptorInstalment | Instalment payment transaction performed by the acceptor or the acquirer. |
| CSHB | CashBack | Card payment with cash-back. |
| INST | Instant | Instant transaction. |
| NRFD | NonRefundable | Payment of goods or services which are not refundable, for instance low cost airline tickets. |

19.2.3.32 CardProductType1Code

Definition: Type of card product.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------|---|
| COMM | CommercialCard | Cards issued as a means of business expenditure, for instance business card or corporate card. The user could be a company, an individual for business expenses or a self employed for business purposes. |
| CONS | ConsumerCard | Cards issued as a means of personal expenditure. The user is always an individual. |

19.2.3.33 CheckType1Code

Definition: Type of bank check.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------|--|
| BANK | BankCheck | The check is guaranteed by a bank. |
| BUSI | BusinessCheck | The check belongs to a Company or a professional entity. |
| GOVC | GovernmentCheck | Check issued by Government. |
| PAYR | PayrollCheck | Check issued by a company for the employees. |
| PERS | PersonalCheck | The check belongs to an individual. |

19.2.3.34 ContentType2Code

Definition: Identification of the type of a Cryptographic Message Syntax (CMS) data structure.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|---|
| DATA | PlainData | Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data). |
| SIGN | SignedData | Digital signature - (ASN.1 Object Identifier: id-signedData). |
| EVLP | EnvelopedData | Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData). |
| DGST | DigestedData | Message digest - (ASN.1 Object Identifier: id-digestedData). |
| AUTH | AuthenticatedData | MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData). |

19.2.3.35 CountryCode

Definition: Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

Type: CodeSet

Format

pattern [A-Z]{2,2}

Constraints

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

19.2.3.36 CryptographicKeyType3Code

Definition: Codes for qualifying the type of cryptographic keys.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------|--|
| AES2 | AES128 | AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EDE3 | DES112 | Data encryption standard key of 112 bits (without the parity bits). |
| DKP9 | DUKPT2009 | DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A. |
| AES9 | AES192 | AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS |

| CodeName | Name | Definition |
|----------|--------|--|
| | | 197 - November 6, 2001 - Advanced Encryption Standard). |
| AES5 | AES256 | AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). |
| EDE4 | DES168 | Data encryption standard key of 168 bits (without the parity bits). |

19.2.3.37 CurrencyConversionResponse3Code

Definition: Result of a requested currency conversion.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------|--|
| ODCC | Allowed | Dynamic currency conversion may be offered to the cardholder. |
| DCCA | Assumed | Transaction authorised with dynamic currency conversion. |
| ICRD | InvalidCard | The card is not valid for dynamic currency conversion. |
| IMER | InvalidMerchant | The card acceptor has not been recognised. |
| IPRD | InvalidProduct | Dynamic currency conversion service cannot be offered for this card product. |
| IRAT | NoRate | Exchange rates are not available. |
| NDCC | NotAvailable | Dynamic currency conversion is not available for other reason. |
| REST | Restriction | Conversion accepted for the requested amount exclusively. |
| CATG | Catalogue | Conversion accepted for a range of amounts. |

19.2.3.38 CustomerOrderRequest1Code

Definition: Type of customer orders that must be sent in response message.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------|---|
| BOTH | Both | All types of CustomerOrder should be listed, some are open others closed. |
| CLSD | Closed | Completed customer orders. |
| OPEN | Open | Customer order not completed. |

19.2.3.39 DataSetCategory18Code

Definition: Category of data set.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|------------------------------|---|
| AQPR | AcquirerParameters | Acquirer specific configuration parameters for the point of interaction (POI) system. |
| APPR | ApplicationParameters | Payment application specific configuration parameters for the point of interaction (POI) system. |
| TXCP | BatchCapture | Batch upload of transaction data (data capture of a group of transactions). |
| AKCP | CaptureResponse | Batch download response for the batch capture of transactions. |
| DLGT | DelegationData | Data needed to create a terminal management sub-domain. |
| MGTP | ManagementPlan | Configuration of management plan in the point of interaction. |
| MRPR | MerchantParameters | Merchant configuration parameters for the point of interaction (POI). |
| SCPR | SecurityParameters | Point of interaction parameters related to the security of software application and application protocol. |
| SWPK | SoftwareModule | Software module. |
| STRP | StatusReport | Report of software configuration and parameter status. |
| TRPR | TerminalParameters | Point of interaction parameters attached to the terminal as serial number or physical capabilities. |
| VDPR | VendorParameters | Point of interaction parameters defined by the manufacturer for instance the PIN verification capabilities. |
| PARA | Parameters | Any combination of configuration parameters for the point of interaction (POI). |
| TMSP | TMSProtocolParameters | Configuration parameters for the TMS protocol. |
| CRTF | CertificateParameters | Certificate provided by a terminal manager. |
| LOGF | LogFile | Any repository used for recording log traces. |
| CMRQ | CertificateManagementRequest | Trigger for CertificateManagementRequest. |
| MDFL | MediaFile | Media file managed by an application of the POI. |
| CONF | ConfigurationFile | Configuration file relevant for the POI. |
| RPFL | ReportFile | Report file generated by the POI. |
| SAPR | SaleToPOIProtocolParameters | Parameters related to the Sale to POI protocol. |

| CodeName | Name | Definition |
|----------|---------------------------|---|
| SPRP | ServiceProviderParameters | Service Provider specific parameters for the point of interaction (POI) system. |

19.2.3.40 DocumentType7Code

Definition: Specifies a type of financial or commercial document.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------------------|--|
| JNRL | Journal | When the POI or the Sale System wants to store a message on the journal printer or electronic journal of the Sale Terminal (it is sometimes a Sale Logging/Journal Printer). |
| CRCP | CustomerReceipt | When the Sale System requires the POI system to print the Customer receipt. |
| HRCP | CashierReceipt | When the Sale system print the Cashier copy of the Payment receipt. |
| SRCP | SaleReceipt | When the Sale System requires the POI system to print the Sale receipt. |
| RPIN | RelatedPaymentInstruction | Document is a linked payment instruction to which the current payment instruction is related, for example, in a cover scenario. |
| VCHR | Voucher | Document is an electronic payment document. |

19.2.3.41 EncryptionFormat2Code

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------|--|
| TR31 | TR31 | Format of a cryptographic key specified by the ANSI X9 TR-31 standard. |
| TR34 | TR34 | Format of a cryptographic key specified by the ANSI X9 TR-34 standard. |
| I238 | ISO20038KeyWrap | Format of a cryptographic key specified by the ISO20038 standard. |

19.2.3.42 EventToNotify2Code

Definition: Event the POI notifies to the Sale System.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------|---|
| ABRT | Abort | One or several device request has been sent by the POI during the processing of a service requested by the Sale System. The processing is cancelled by the Customer or stopped by the POI. If the |

| CodeName | Name | Definition |
|----------|---------------------|---|
| | | device response is not received by the POI, an event is sent to inform the Sale to abort internally these device requests. |
| MAIB | BeginMaintenance | Begin of POI Maintenance. |
| CRDI | CardInserted | A card is inserted in the card reader (see Input request and NotifyCardInputFlag). |
| COMP | Completed | An Abort request has been sent to abort a message which is already completed. |
| CRDR | CardRemoved | A card is removed from the card reader. |
| CUSL | CustomerLanguage | The customer has selected a different language on the POI. |
| MAIE | EndMaintenance | End of POI Maintenance. |
| INIT | Initialised | The POI Terminal or the POI System is now ready to work. |
| KEYP | KeyPressed | The customer has pressed a specific key on the POI. |
| MAIR | MaintenanceRequired | Maintenance required by the POI. |
| OODR | OutOfOrder | The POI Terminal or the POI System cannot work. |
| SADM | SaleAdmin | The POI has performed, or want to perform an automatic administrative process, e.g. the reports at the end of day. |
| SWUP | SaleWakeUp | A POI terminal requests the payment of the transaction identified by the content of EventDetails in the Event notification. |
| SECA | SecurityAlarm | Problem of security. |
| SHUT | Shutdown | The POI Terminal or the POI System is shutting down. |
| SASS | StopAssistance | When the Customer assistance is stopped, because the Customer has completed its input. |
| DISC | Disconnected | A disconnection occurred. |
| CNTN | Connected | Connection has been set up. |
| TNOK | TransactionApproved | Transaction has been processed and approved by the POI. |
| TNKO | TransactionDeclined | Transaction has been processed but has been declined. |

19.2.3.43 Exemption1Code

Definition: Strong customer authentication exemption.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---|--|
| LOWA | LowAmountExemption | Transaction's amount is low and could be processed without strong customer authentication. |
| MINT | MerchantInitiatedTransaction | Transaction is initiated by the Card Acceptor. |
| RECP | RecurringPayment | Transaction is one of a series of recurring payment. |
| SCPE | SecureCorporatePaymentExemption | Transaction is a secure corporate payment. |
| SCAD | StrongCustomerAuthenticationDelegation | Card Acceptor is a strong customer authentication delegate. |
| TRAE | TransactionRiskAnalysisExemption | According to the transaction risk analysis the strong customer authentication is not mandated. |
| PKGE | TransportFareOrParkingFeeUnattendedPaymentExemption | Payment is processed in a environment where strong customer authentication is inappropriate. |
| TMBE | TrustedMerchantBeneficiaryExemption | Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication. |

19.2.3.44 Frequency3Code

Definition: Specifies the regularity of an event.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------|--|
| YEAR | Annual | Event takes place every year or once a year. |
| MNTH | Monthly | Event takes place every month or once a month. |
| QURT | Quarterly | Event takes place every three months or four times a year. |
| MIAN | SemiAnnual | Event takes place every six months or two times a year. |
| WEEK | Weekly | Event takes place once a week. |
| DAIL | Daily | Event takes place every day. |
| TEND | TenDays | Event takes place every ten business days. |

19.2.3.45 GracePeriodUnitType1Code

Definition: Contains the details of the grace period applicable to the instalment.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------|---------------------|
| WEKS | Weeks | Grace period weeks. |

| CodeName | Name | Definition |
|----------|---------------|------------------------------|
| PMTS | Payments | Grace period payments. |
| OTHP | OtherPrivate | Other Private Grace period. |
| OTHN | OtherNational | Other National Grace period. |
| MNTH | Months | Grace period months. |
| DAYS | Days | Grace period days. |

19.2.3.46 InformationQualify1Code

Definition: Qualification of the information to sent to an output logical device, to display or print to the Cashier or the Customer.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------|--|
| CUSA | CustomerAssistance | Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer. |
| DISP | Display | Standard display interface. |
| DOCT | Document | When the POI System wants to print specific document (check, dynamic currency conversion ...). Used by the Sale System when the printer is not located on the Sale System. |
| ERRO | Error | The information is related to an error situation occurring on the message sender. |
| INPT | Input | Answer to a question or information to be entered by the Cashier or the Customer, at the request of the POI Terminal or the Sale Terminal. |
| POIR | POIReplication | Information displayed on the Cardholder POI interface, replicated on the Cashier interface. |
| RCPT | Receipt | Where you print the Payment receipt that could be located on the Sale System or in some cases a restricted Sale ticket on the POI Terminal. |
| SOND | Sound | Standard sound interface. |
| STAT | Status | The information is a new state on which the message sender is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer. |
| VCHR | Voucher | Coupons, voucher or special ticket generated by the POI or the Sale System and to be printed. |

19.2.3.47 InputCommand1Code

Definition: Type of requested input

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------|--|
| DCSG | DecimalString | Wait for a string of digit characters with a decimal point, the length range could be specified. |
| DGSG | DigitString | Wait for a string of digit characters. |
| GAKY | GetAnyKey | Wait for a key pressed on the Terminal, to be able to read the message displayed on the Terminal. |
| GCNF | GetConfirmation | Wait for a confirmation Yes (Y) or No (N) on the Sale System. Wait for a confirmation (Valid or Cancel button) on the POI Terminal. The result of the command is a Boolean: True or False. |
| GFKY | GetFunctionKey | Wait for a function key pressed on the Terminal: From POI, Valid, Clear, Correct, Generic Function key number. From Sale, Generic Function key. |
| GMNE | GetMenuEntry | To choose an entry among a list of entries (all of them are not necessary selectable). The OutputFormat has to be MenuEntry. |
| PSWD | Password | Request to enter a password with masked characters while typing the password. |
| SITE | SiteManager | Wait for a confirmation Yes (Y) or No (N) of the Site Manager on the Sale System. |
| TXSG | TextString | Wait for a string of alphanumeric characters. |
| HTML | XHTMLText | Wait for a XHTML data. |
| SIGN | Signature | Request to wait for signature. |

19.2.3.48 InstalmentAmountDetailsType1Code

Definition: Contains the details of the grace period applicable to the instalment.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------|------------------------|
| TAXX | Tax | Instalment amount tax |
| RQST | Requested | Requested amount |
| OTHP | OtherPrivate | Grace period unit type |
| OTHN | OtherNational | Grace period unit type |
| OTHC | OtherCharges | Other amounts |
| INSU | Insurance | Insurance amount |
| FUNA | Funded | Funded amount |
| FEES | Fees | Fees amount |
| EXPN | Expense | Expense Amount |

| CodeName | Name | Definition |
|----------|---------------------|---------------------------------|
| AFCO | AnnualFinancingCost | Total financing cost per annum. |

19.2.3.49 InstalmentPeriod1Code

Definition: Instalment period.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------|----------------------------|
| MNTH | Monthly | Monthly instalment period. |
| ANNU | Annual | Annual instalment period. |

19.2.3.50 InstalmentPlan1Code

Definition: Type of instalment plan.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------|---|
| EQPM | EqualPayment | The payment is split in several instalments of equal amounts. |
| NQPM | InequalPayment | The payment is split in several instalments of different amounts. |
| DFRI | DeferredInstalment | The first instalment is deferred. |

19.2.3.51 InterestRate1Code

Definition: Contains the list of interest rates.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------|---------------------------------------|
| GSRT | GrossRate | Gross interest rate of the instalment |
| NTRT | NetRate | Net interest rate of the instalment |
| OTHN | OtherNational | Other interest rate of the instalment |
| OTHP | OtherPrivate | Other interest rate of the instalment |

19.2.3.52 ISO3NumericCountryCode

Definition: Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Numeric-3 code). The code is checked against the list of country names coded with three digit characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9]{3,3}

19.2.3.53 KeyUsage1Code

Definition: Allowed usages of the key.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------------------------------|--|
| ENCR | Encryption | Key may encrypt. |
| DCPT | Decryption | Key may decrypt. |
| DENC | DataEncryption | Key may encrypt data. |
| DDEC | DataDecryption | Key may decrypt data. |
| TRNI | TranslateInput | Key may encrypt information before translation. |
| TRNX | TranslateOutput | Key may encrypt information after translation. |
| MACG | MessageAuthenticationCodeGeneration | Key may generate message authentication codes (MAC). |
| MACV | MessageAuthenticationCodeVerification | Key may verify message authentication codes (MAC). |
| SIGG | SignatureGeneration | Key may generate digital signatures. |
| SUGV | SignatureVerification | Key may verify digital signatures. |
| PINE | PINEncryption | Key may encrypt personal identification numbers (PIN). |
| PIND | PINDecryption | Key may decrypt personal identification numbers (PIN). |
| PINV | PINVerification | Key may verify personal identification numbers (PIN). |
| KEYG | KeyGeneration | Key may generate keys. |
| KEYI | KeyImport | Key may import keys. |
| KEYX | KeyExport | Key may export keys. |
| KEYD | KeyDerivation | Key may derive keys. |

19.2.3.54 LanguageCode

Definition: Specifies a language.

Type: CodeSet

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.2.3.55 LocationCategory3Code

Definition: Indicates the type of integration of the POI terminal in the sale environment.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------|------------------|
| INDR | Indoor | Indoor terminal. |

| CodeName | Name | Definition |
|----------|----------------------|--|
| IPMP | InsidePump | Terminal incorporated in the pump dispensing petrol. |
| MPOI | MultiplePOITerminal | Multiple terminals linked to a unique sale terminal. |
| MPMP | MultiplePump | Outdoor terminal serving several petrol pumps. |
| MSLE | MultipleSaleTerminal | Terminal serving multiple sale terminals. |
| SSLE | SingleSaleTerminal | Terminal linked to a unique sale terminal. |
| VNDG | VendingMachine | Terminal integrated in a vending machine. |

19.2.3.56 LocationCategory4Code

Definition: Indicates the type of integration of the POI terminal in the sale environment.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------|--|
| ABRD | Aboard | Aboard is used when the sale is done in a vehicle (e.g a bus, train, ship, airplane, taxi, etc). |
| NMDC | Nomadic | Nomadic is used when the merchant is traveling to different locations (e.g fair or sport events, home delivery, food truck). |
| FIXD | PhysicalShop | Fixed location, for example in a shop. |
| VIRT | VirtualShop | Virtual Shop is used for any ecommerce solution. |

19.2.3.57 LoyaltyHandling1Code

Definition: Possible types of Loyalty processing.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------|---|
| ALLO | Allowed | The loyalty is accepted, but the POI has not to require or ask a loyalty card. The loyalty is involved by the payment card (e.g. an hybrid or linked card). |
| DENY | Forbidden | No loyalty card to read and loyalty transaction to process. Any attempt to enter a pure loyalty card is rejected. |
| PRCS | Processed | The loyalty transaction is already processed, no loyalty card or loyalty transaction to process. |
| PROP | Proposed | The loyalty is accepted, and the POI has to ask a loyalty card. If the Customer does not enter a loyalty card, no loyalty transaction is realised. |

| CodeName | Name | Definition |
|----------|----------|---|
| REQU | Required | The loyalty is required, and the POI refuses the processing of the message request if the cardholder does not enter a loyalty card. |

19.2.3.58 LoyaltyTransactionType1Code

Definition: Type of loyalty transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------|--|
| AWRD | Award | Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates. |
| AWRR | AwardRefund | Refund of a loyalty award transaction. |
| REBR | RebateRefund | Refund of a loyalty rebate transaction. |
| REBA | Rebate | Rebate on a total amount, sale item amount, or sale items. |
| REDE | Redemption | Redemption on a loyalty account. |
| REDR | RedemptionRefund | Refund of a loyalty redemption transaction. |

19.2.3.59 LoyaltyTypeTransactionTotals1Code

Definition: Type of Loyalty transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|--|
| AWRD | Award | Direct or payment related award on a loyalty account. Award alone, award associated to a payment (may be with an additional award alone), award because of a payment resulting on rebates. |
| REBA | Rebate | Rebate on a total amount, sale item amount, or sale items. |
| REDE | Redemption | Redemption on a loyalty account. |
| AWRR | ReverseAward | Refund of a loyalty award transaction. |
| REBR | ReverseRebate | Refund of a loyalty rebate transaction. |
| REDR | ReverseRedemption | Refund of a loyalty redemption transaction. |

19.2.3.60 MemoryUnit1Code

Definition: Unit of the memory size.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|-------------|-------------------|
| BYTE | Byte | Byte. |
| EXAB | ExaByte | Exa byte. |
| GIGA | GigaByte | Giga byte. |
| KILO | KiloByte | Kilo byte. |
| MEGA | MegaByte | Mega byte. |
| PETA | PetaByte | Peta byte. |
| TERA | TeraByte | Tera byte. |

19.2.3.61 NetworkType1Code

Definition: Type of communication network.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|------------------|---|
| IPNW | InternetProtocol | Protocol of an IP network. |
| PSTN | PublicTelephone | Protocol of a Public Switched Telephone Network (PSTN). |

19.2.3.62 OnLineCapability1Code

Definition: On-line and off-line capabilities of the POI (Point Of Interaction).

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|-------------|--|
| OFLN | OffLine | Off-line only capable. |
| ONLN | OnLine | On-line only capable. |
| SMON | SemiOffLine | Off-line capable with possible on-line requests to the acquirer. |

19.2.3.63 OnLineReason2Code

Definition: Reason to process an online authorisation.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|-----------------|--|
| RNDM | RandomSelection | Transaction random selection to go online. |
| ICCF | ICCFForced | Payment application in the Integrated Circuit Card forces to go on-line. |
| MERF | MerchantForced | On line forced by card acceptor. |
| TRMF | TerminalForced | Terminal random selection to go online. |
| ISSF | IssuerForced | On line forced by card issuer. |
| FRLT | FloorLimit | Over floor limit. |
| EXFL | ExceptionFile | Card appears on terminal exception file. |

| CodeName | Name | Definition |
|----------|------------------------|---|
| TAMT | TotalAmount | Total amount of purchases per cardholder and per application above floor limit. |
| CBIN | ControlledBIN | Bank Identification Number under control. |
| UBIN | UnknownBIN | Unknown Bank Identification Number. |
| CPAN | ControlledPAN | Primary account number (card number) under control. |
| FLOW | FlowControl | Flow control. |
| CRCY | UnavailableCurrency | Unknown currency code or foreign currency. |
| IFPR | IssuerForcedPINRequest | Request Cardholder Authentication through PIN insertion |

19.2.3.64 Operator1Code

Definition: Code containing the operator used to indicate the relationship between a variable and a fixed value.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------|----------------------|
| SMAL | SmallerThan | Smaller than. |
| SMEQ | SmallerOrEqualTo | Smaller or equal to. |
| GREA | GreaterThan | Greater than. |
| GREQ | GreaterOrEqualTo | Greater or equal to. |
| EQAL | EqualTo | Equal to. |

19.2.3.65 OutputFormat1Code

Definition: Message format.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------|---|
| MREF | MessageReference | Predefined configured messages, identified by a reference. |
| TEXT | SimpleText | Text without format attributes. |
| HTML | XHTML | XHTML document which includes a subset of the XHTML output tag. |

19.2.3.66 OutputFormat3Code

Definition: Type of output format.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------|---|
| BARC | Barcode | Barcode to output in several possible format. |
| MENT | MenuEntry | A text to display as a menu before requesting an input. |
| MREF | MessageReference | Predefined configured messages, identified by a reference. |
| SREF | ScreenReference | Screen to display identified by a reference. |
| TEXT | SimpleText | Text without format attributes. |
| HTML | XHTML | XHTML document which includes a subset of the XHTML output tag. |

19.2.3.67 PartyType14Code

Definition: Identification of the type of entity involved in a transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|--|
| OPOI | OriginatingPOI | Point Of Interaction initiating the card payment transaction. |
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |
| DLIS | DelegateIssuer | Party to whom the card issuer delegates to authorise card payment transactions. |
| ICCA | CardApplication | Application in the smart card. |

19.2.3.68 PartyType33Code

Definition: Identification of the type of entity involved in a transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------|--|
| OPOI | OriginatingPOI | Point Of Interaction initiating the card payment transaction. |
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |

| CodeName | Name | Definition |
|----------|-----------------------|---|
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |
| DLIS | DelegateIssuer | Party to whom the card issuer delegates to authorise card payment transactions. |
| MTMG | MasterTerminalManager | Responsible for the maintenance of a card payment acceptance terminal. |
| TAXH | TaxAuthority | Tax authority. |
| TMGT | TerminalManager | Responsible for one or several maintenance functions of a card payment acceptance terminal. |

19.2.3.69 PartyType3Code

Definition: Identification of the type of entity involved in a transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|--|
| OPOI | OriginatingPOI | Point Of Interaction initiating the card payment transaction. |
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |
| DLIS | DelegateIssuer | Party to whom the card issuer delegates to authorise card payment transactions. |

19.2.3.70 PartyType4Code

Definition: Entity assigning an identification (for example merchant, acceptor, acquirer, tax authority, etc.).

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|--|
| MERC | Merchant | Merchant providing goods and service in the card payment transaction. |
| ACCP | Acceptor | Card acceptor, party accepting the card and presenting transaction data to the acquirer. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |

| CodeName | Name | Definition |
|----------|--------------|-------------------------------------|
| ACQR | Acquirer | Entity acquiring card transactions. |
| CISS | CardIssuer | Party that issues cards. |
| TAXH | TaxAuthority | Tax authority. |

19.2.3.71 PartyType7Code

Definition: Party that communicate with a POI component (Point of Interaction), using a communication device.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|---|
| ACQR | Acquirer | Entity acquiring card transactions. |
| ITAG | IntermediaryAgent | Party acting on behalf of other parties to process or forward data to other parties. |
| PCPT | POIComponent | Party component of a POI system or POI terminal (Point of Interaction). |
| TMGT | TerminalManager | Responsible for one or several maintenance functions of a card payment acceptance terminal. |
| SALE | SaleSystem | Party selling goods and services. |

19.2.3.72 PaymentInstrumentType1Code

Definition: Type of payment instrument.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------|--|
| CARD | Card | Payment card (credit or debit). |
| CASH | Cash | Cash managed by a cash handling system. |
| CHCK | Check | Paper check. |
| LOYT | LoyaltyAccount | Account using loyalty processing. |
| SVAC | StoredValueAccount | Account accessed by a stored value instrument such as a card or a certificate. |

19.2.3.73 PINFormat3Code

Definition: PIN (Personal Identification Number) format used before encryption.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------|--|
| ISO0 | ISO0 | PIN diversified with the card account number, conforming to the standard ISO 9564-2. |

| CodeName | Name | Definition |
|----------|------|--|
| ISO1 | ISO1 | PIN completed with random padding characters, conforming to the standard ISO 9564-2. |
| ISO2 | ISO2 | PIN without diversification characters, conforming to the standard ISO 9564-2. |
| ISO3 | ISO3 | PIN diversified with the card account number and random characters, conforming to the standard ISO 9564-2. |
| ISO4 | ISO4 | PIN format used with AES encryption, conforming to the new ISO SC2 format. |
| ISO5 | ISO5 | Alternative PIN format used with AES encryption, conforming to the new ISO SC2 format. |

19.2.3.74 PINRequestType1Code

Definition: Type of PIN Service.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------------------|--|
| PIAE | PINAcquisitionEncryption | The cardholder enters the PIN, the POI enciphers the PIN Block and provides it as a result to the Sale System. |
| PIAV | PINAcquisitionVerification | The Cardholder enters the PIN and the POI verifies it. |
| PIVO | PINVerifyOnly | The Sale System send a previous keyed PIN and the POI verifies it. |

19.2.3.75 PlanOwner1Code

Definition: Contains list of plan owners

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------|------------------------------------|
| ACCP | Acceptor | Plan owner is an acceptor. |
| ACQR | Acquirer | Plan owner is an acquirer. |
| ISSR | Issuer | Plan owner is an issuer. |
| OTHN | OtherNational | plan owner type is other national. |
| OTHP | OtherPrivate | plan owner type is other private. |

19.2.3.76 POICommunicationType2Code

Definition: Low level communication of the hardware or software component toward another component or an external entity.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------------|--|
| BLTH | Bluetooth | Communication with a host using Bluetooth. |
| ETHR | Ethernet | Ethernet port to communicate. |
| GPRS | GPRS | Communication with a host using GPRS. |
| GSMF | GSM | Communication with a host using GSM. |
| PSTN | PSTN | Communication with a host using Public Switching Telephone Network. |
| RS23 | RS232 | Serial port to communicate. |
| USBD | USBDevice | Communication with a USB stick or any USB device. |
| USBH | USBHost | Communication with a host from an USB port. |
| WIFI | Wifi | Wifi communication with another component. |
| WT2G | WirelessTechnology2G | Includes all communication technologies which can be qualified as being part of the 2G technology (e.g EDGE or PDC). |
| WT3G | WirelessTechnology3G | Includes all communication technologies which can be qualified as being part of the 3G technology. |
| WT4G | WirelessTechnology4G | Includes all communication technologies which can be qualified as being part of the 4G technology. |
| WT5G | WirelessTechnology5G | Includes all communication technologies which can be qualified as being part of the 5G technology. |

19.2.3.77 POIComponentAssessment1Code

Definition: Type of assessment of a POI component (Point of Interaction).

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------|---|
| APPL | Approval | Approval number delivered by an approval centre. |
| CERT | Certification | Certification number delivered by a certification body. |
| EVAL | Evaluation | Evaluation by a lab or a tool. |

19.2.3.78 POIComponentStatus1Code

Definition: Status of a component belonging to a POI Terminal (Point of Interaction).

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------|------------------------------|
| WAIT | WaitingActivation | Component not yet activated. |

| CodeName | Name | Definition |
|----------|-------------|---------------------------------------|
| OUTD | OutOfOrder | Component not working properly. |
| OPER | InOperation | Component activated and in operation. |
| DACT | Deactivated | Component has been deactivated. |

19.2.3.79 POIComponentType6Code

Definition: Type of component belonging to a POI (Point of Interaction) Terminal.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------------------|--|
| AQPP | AcquirerProtocolParameters | Parameters for acquirer interface of the point of interaction, including acquirer host configuration parameters. |
| APPR | ApplicationParameters | Parameters of a payment application running on the point of interaction. |
| TLPR | TerminalParameters | Manufacturer configuration parameters of the point of interaction. |
| SCPR | SecurityParameters | Security parameters of the point of interaction. |
| SERV | Server | Payment server of a point of interaction system. |
| TERM | Terminal | Payment terminal point of interaction. |
| DVCE | Device | Device sub-component of a component of the point of interaction. |
| SECM | SecureModule | Security module. |
| APII | PaymentApplication | Payment application software. |
| EMVK | EMVKernel | EMV application kernel (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa). |
| EMVO | EMVLevel1 | EMV physical interface (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa). |
| MDWR | Middleware | Software module of the point of interaction. |
| DRVR | Driver | Driver module of the point of interaction. |
| OPST | OperatingSystem | Software that manages hardware to provide common services to the applications. |
| MRPR | MerchantParameters | Merchant configuration parameters for the point of interaction (POI). |
| CRTF | CertificateParameters | Certificate provided by a terminal manager. |
| TMSP | TMSProtocolParameters | Configuration parameters for the TMS protocol. |
| SACP | SaleComponent | Component of the Sale system. |

| CodeName | Name | Definition |
|----------|-----------------------------|--|
| SAPR | SaleToPOIProtocolParameters | Parameters related to the Sale to POI protocol. |
| LOGF | LogFile | Any repository used for recording log traces. |
| MDFL | MediaFile | Media file managed by an application of the POI. |
| SOFT | Soft | Payment or other software application. |
| CONF | ConfigurationFile | Configuration file relevant for the POI. |
| RPFL | ReportFile | Report file generated by the POI. |

19.2.3.80 ProcessingPosition2Code

Definition: Specifies the processing position.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------|---|
| AFTE | After | Specifies that the transaction/instruction is to be executed after the linked transaction/instruction. |
| WITH | With | Specifies that the transaction/instruction is to be executed with the linked transaction/instruction. |
| BEFO | Before | Specifies that the transaction/instruction is to be executed before the linked transaction/instruction. |
| INFO | Information | Specifies that the transactions/instructions are linked for information purposes only. |

19.2.3.81 QRCodeEncodingMode1Code

Definition: Encoding Mode of Quick Response Code.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------|--|
| ALFA | Alphanumeric | Alphanumeric value provided in Barcode field. |
| BINA | Binary | Binary value provided in Quick Response Code Binary Value. |
| KANJ | Kanji | Kanji value provided in Quick Response Code Binary Value. |
| NUME | Numeric | Numeric value provided in Barcode field. |

19.2.3.82 QRCodeErrorCorrection1Code

Definition: Error Correction mode of Quick Response Code.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------------|-----------------------------------|
| M015 | ErrorCorrection15Percent | Reed-Solomon error correction 15% |
| Q025 | ErrorCorrection25Percent | Reed-Solomon error correction 25% |
| H030 | ErrorCorrection30Percent | Reed-Solomon error correction 30% |
| L007 | ErrorCorrection7Percent | Reed-Solomon error correction 7% |

19.2.3.83 ReconciliationType1Code

Definition: Type of Reconciliation requested by the Sale to the POI.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------------------|--|
| AREC | AcquirerReconciliation | Reconciliation between the POI and one or several Acquirers only. There is no reconciliation between the Sale System and the POI System. |
| ASYN | AcquirerSynchronisation | Reconciliation and closure of the current period, with synchronisation of the reconciliation between the POI and Acquirers. |
| PREC | PreviousReconciliation | Request result of a previous reconciliation. |
| SREC | SaleReconciliation | Reconciliation with closure of the current period, without any Acquirers synchronisation. |

19.2.3.84 RejectReason1Code

Definition: Reason of transmission of a rejection message in response to a request or an advice.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------|--|
| UNPR | UnableToProcess | Not possible to process the message, for instance the security module is unavailable, the hardware is unavailable, or there is a problem of resource. |
| IMSG | InvalidMessage | Invalid envelope of the message. |
| PARS | ParsingError | Invalid message: At least one of the data element or data structure is not present, the format, or the content of one data element or one data structure is not correct. |
| SECU | Security | Security error (for example an invalid key or an incorrect MAC value). |
| INTP | InitiatingParty | Invalid identification data for the sender. |
| RCPP | RecipientParty | Invalid identification data for the receiver. |
| DPMG | DuplicateMessage | Duplicate message, the identification of the exchange is the same than a previous message. |

| CodeName | Name | Definition |
|----------|-----------------|---|
| VERS | ProtocolVersion | Version of the protocol couldn't be supported by the recipient. |
| MSGT | MessageType | Type of message the recipient receives is unknown or unsupported. |

19.2.3.85 ResourceAction1Code

Definition: Type of action to perform on a media resource.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------|--|
| PAUS | Pause | Pause the media resource in progress as specified in the message. |
| STAS | Play | Start the media resource as specified in the message. |
| LOOP | PlayInLoop | Play in a loop the media resource as specified in the message. |
| RESU | Resume | Resume the progress of the media resource as specified in the message. |
| DVOL | SetDefaultVolume | Set the default volume of sounds. |
| STOS | Stop | Stop the media resource in progress. |

19.2.3.86 ResourceType1Code

Definition: Type of resource.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------------------|---|
| TEXT | TextToSpeech | Voice synthesis. |
| URLI | UniformResourceIdentifier | String of characters that unambiguously identifies a particular resource. |

19.2.3.87 Response11Code

Definition: Result of the processing of the message

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------|---|
| WARN | Warning | An additional Response Code, mainly a functional one, should be considered to identify the outcome of the request. |
| FAIL | Failure | Processing of the request fails for various reasons. Some further processing according to the type of requested service, the context of the process, and some additional precision about the failure notified in the ErrorCondition data element. |

| CodeName | Name | Definition |
|----------|---------|---|
| SUCC | Success | Processing OK. Information related to the result of the processing is contained in other parts of the response message. |

19.2.3.88 Response9Code

Definition: Result of the performed service.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------|---|
| APPR | Approved | Service has been successfully provided. |
| DECL | Declined | Service is declined. |
| PART | PartialApproved | Service has been partially provided. |
| SUSP | Suspended | Transaction has been received but hasn't been processed. |
| TECH | TechnicalError | Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem). |

19.2.3.89 ResponseMode2Code

Definition: Message response awaited by the initiator of the Request.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------|---|
| SEND | EndOfPlay | The Response is required at the end of play. |
| IMMD | Immediate | The Message Response is immediate, after taking into account the request. |
| NREQ | NotRequired | The Message Response is not required, except in case of error. |
| PEND | PrintEnd | The Print Response is required at the end of print. |

19.2.3.90 RetailerMessage1Code

Definition: Identifies the type of process related to the message.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------|--|
| SSAB | Abort | Abort the current process or the last request. |
| SAAQ | AdminRequest | To select and start customised administrative services provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| SAAP | AdminResponse | Response to the Admin request. |

| CodeName | Name | Definition |
|----------|-------------------------------------|---|
| SDDR | DeviceRequest | Request one or several functions of the device, from user Interface or payment peripherals on the POI system or on the Sale system. Functions can be Display, Input, Print, play sound, Card reader capabilities or Transmit a message. |
| SDDP | DeviceResponse | Response to a Device request. |
| SSEN | EventNotification | Notify the other party of an event that occurs on its side. |
| SSMQ | MessageStatusRequest | Request the status of a previous message for which the Sale system has no response. |
| SSMR | MessageStatusResponse | Response to a Message Status request. |
| SSRJ | Rejection | Reject a previous received message, for technical or functional reasons. |
| SARQ | ReportRequest | To request, by the Sale System, a report on a list of transactions on the POI system, or the status of a transaction. |
| SARP | ReportResponse | Response to a Report request. |
| SFRP | SaleFinancialReconciliationResponse | Response to a Reconciliation Request. |
| SFRQ | SaleFinancialReconciliationRequest | Request a reconciliation (different types) between Sale System and POI System. |
| SFSQ | SaleFinancialServiceRequest | Request a financial service like payment, reversal, loyalty, Balance Inquiry, etc. |
| SFSP | SaleFinancialServiceResponse | Response to a financial service request. |
| SASQ | SessionManagementRequest | Request the management of a session: login, logout and diagnosis services. Initiated by the Sale system. |
| SASP | SessionManagementResponse | Response to a session management request to initiate/terminate a session. |

19.2.3.91 RetailerResultDetail1Code

Definition: Result of the processing of the message

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------|---|
| ABRT | Aborted | The Initiator of the request has sent an Abort message request, which was accepted and processed. |
| BUSY | Busy | The system is busy, try later. |
| CANC | Cancel | The user has aborted the transaction on the PED keyboard, for instance during PIN entering. |
| DEVO | DeviceOut | Device out of order. |
| WPIN | WrongPIN | The user has entered the PIN on the PED keyboard and the verification fails. |

| CodeName | Name | Definition |
|----------|--------------------|---|
| NHOS | UnreachableHost | Acquirer or any host is unreachable or has not answered to an online request, so is considered as temporary unavailable. Depending on the Sale context, the request could be repeated (to be compared with "Refusal"). |
| UNVS | UnavailableService | The service is not available (not implemented, not configured, protocol version too old...). |
| UNVD | UnavailableDevice | The hardware is not available (absent, not configured...). |
| REFU | Refusal | The transaction is refused by the host or by the local rules associated to the card or the POI. |
| PAYR | PaymentRestriction | Some sale items are not payable by the card proposed by the Customer. |
| TNFD | NotFound | The transaction is not found (e.g. for a reversal or a repeat). |
| NALW | NotAllowed | A service request is sent during a Service dialogue. A combination of services not possible to provide. During the DeviceInitialisationCardReader message processing, the user has entered a card which has to be protected by the POI, and cannot be processed with this device request from the external, and then the Sale System. |
| LOUT | LoggedOut | Not logged in. |
| IVCA | InvalidCard | The card entered by the Customer cannot be processed by the POI because this card is not configured in the system. |
| ICAR | InsertedCard | If the Input Device request a NotifyCardInputFlag and the Customer enters a card in the card reader without answers to the Input command, the POI abort the Input command processing, and answer a dedicated ErrorCondition value in the Input response message. |
| WIPG | InProgress | The transaction is still in progress and then the command cannot be processed. |

19.2.3.92 RetailerService1Code

Definition: List of Retail services available and used in the Retail messages. Helps to know which service to activate.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--|---|
| DCAQ | DeviceSendApplicationProtocolDataUnitCardReaderRequest | A service to send commands to a card. |
| ADAQ | AdministrativeAdminRequest | An administrative request, to select and start customised administrative services |

| CodeName | Name | Definition |
|-----------------|--|---|
| | | provided by the POI, using a "menu" for an interactive or software interface, initiated by the Sale system. |
| ADAP | AdministrativeAdminResponse | The POI System responds to an administrative request. |
| RPAP | AdministrativeReportGetTotalsResponse | The POI System responds to a totals figures request. |
| RPAQ | AdministrativeReportGetTotalsRequest | The Sale System requests to the POI System a report on the totals figures of the POI system. |
| RPTQ | AdministrativeReportTransactionRequest | The Sale System requests to the POI System a report on a list of transactions. |
| RPTP | AdministrativeReportTransactionResponse | The POI System responds to a transaction report request. |
| SMDQ | AdministrativeSessionManagementDiagnosisRequest | The Sale System requests a session diagnosis to the POI System. |
| SMDP | AdministrativeSessionManagementDiagnosisResponse | The POI System responds to a diagnosis request. |
| SMIQ | AdministrativeSessionManagementLoginRequest | The Sale System requests a login to the POI System. |
| SMIP | AdministrativeSessionManagementLoginResponse | The POI System responds to a login request. |
| SMOQ | AdministrativeSessionManagementLogoutRequest | The Sale System requests a logout to the POI System. |
| SMOP | AdministrativeSessionManagementLogoutResponse | The POI System responds to a logout request. |
| DDYQ | DeviceDisplayRequest | One System requests the other to display a message for cashier or customer. |
| DDYP | DeviceDisplayResponse | One system responds to the other system for a display request. |
| DCIQ | DeviceInitialisationCardReaderRequest | Service to send parameters to use when card reader initializes a new communication with the card. |
| DCIP | DeviceInitialisationCardReaderResponse | The POI system responds to the Sale System for a card reader initialisation. |
| DINO | DeviceInputNotification | One system sends a notification to the POI System to update a input request. |
| DINQ | DeviceInputRequest | One system requests to the other System to get data input. |
| DINP | DeviceInputResponse | One system responds to the other System for a input request. |
| DSOQ | DevicePlaySoundRequest | One system requests to the Other System to play a sound. |
| DSOP | DevicePlaySoundResponse | One system responds to the other System for a play sound request. |

| CodeName | Name | Definition |
|-----------------|---|---|
| DCPQ | DevicePowerOffCardReaderRequest | The Sale system requests to the POI System to power off the card reader. |
| DCPP | DevicePowerOffCardRequestResponse | The POI system responds to the Sale System for a card reader power off. |
| DPRQ | DevicePrintRequest | One system requests to the other System to print data. |
| DPRP | DevicePrintResponse | One system responds to the other System for a print request. |
| DSIQ | DeviceSecureInputRequest | One system requests to the Other System to securely get data input (e.g. for PIN). |
| DSIP | DeviceSecureInputResponse | One system responds to the other System for secure data input. |
| DCAP | DeviceSendApplicationProtocolDataUnitCardReaderResponse | The POI system responds to the Sale System for a card reader Application Protocol Data Unit sending. |
| DCOQ | DeviceTransmissionMessageRequest | The Sale system requests to the POI System to transmit a message (for instance to a mobile server). |
| DCOP | DeviceTransmissionMessageResponse | The POI system responds to the Sale System after a message transmission. |
| FSIQ | FinancialBalanceInquiryRequest | The Sale System requests to the POI System to perform balance inquiry on the main account. |
| FSIP | FinancialBalanceInquiryResponse | The POI System sends a response to a Balance Inquiry request. |
| FSBQ | FinancialBatchRequest | The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery). |
| FSBP | FinancialBatchResponse | The POI System sends a response to a batch processing request. |
| FSAQ | FinancialCardAcquisitionRequest | The Sale System requests to the POI System to handle a card data acquisition on the card reader. |
| FSAP | FinancialCardAcquisitionResponse | The POI System sends a response to a card data acquisition request. |
| FSEQ | FinancialEnableServiceRequest | The Sale System requests to the POI System to enable a service on its side. |
| FSEP | FinancialEnableServiceResponse | The POI System sends a response after enabling or not some service. |
| FSLQ | FinancialLoyaltyRequest | The Sale System requests to the POI System a loyalty service like loading or redeem. |
| FSLP | FinancialLoyaltyResponse | The POI System sends a response to a loyalty processing request. |

| CodeName | Name | Definition |
|----------|---------------------------------|--|
| FSPQ | FinancialPaymentRequest | The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...). |
| FSPP | FinancialPaymentResponse | The POI System sends a response to a payment request (Purchase/refund/PWCB/MOTO Payment/...). |
| FSCQ | FinancialReconciliationRequest | The Sale System request to the POI System different kinds of transaction reconciliation. |
| FSCP | FinancialReconciliationResponse | The POI System sends a response to a reconciliation request. |
| FSRQ | FinancialReversalRequest | The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service. |
| FSRP | FinancialReversalResponse | The POI System sends a response to a reversal request. |
| FSVQ | FinancialStoredValueRequest | The Sale System requests to the POI System to manage a stored value card or account (eg. Load, Payment, Reimbursement). |
| FSVP | FinancialStoredValueResponse | The POI System sends a response to a stored value card or account request. |
| SSAB | SystemAbort | Abort a former request or message by the sale system. |
| SSEN | SystemEventNotification | Send an Event notification to the other party. |
| SSRR | SystemMessageRejection | Send a rejection for a previous message. |
| SSSQ | SystemMessageStatusRequest | The Sale System requests to the POI System the status of a previous transaction. |
| SSSP | SystemMessageStatusResponse | The POI System responds to a message status request. |

19.2.3.93 RetailerService2Code

Definition: List of specific services for ServiceRequest

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------------------|--|
| FSPQ | FinancialPaymentRequest | The Sale System requests to the POI System to perform a payment(Purchase/Refund/PWCB/MOTO Payment/...). |
| FSRQ | FinancialReversalRequest | The Sale System requests to the POI System to perform a reversal partial or complete to cancel a former payment service. |
| FSIQ | FinancialBalanceInquiryRequest | The Sale System requests to the POI System to perform balance inquiry on the main account. |

| CodeName | Name | Definition |
|----------|---------------------------------|---|
| FSBQ | FinancialBatchRequest | The Batch message pair is used to request or get the result of transactions (payment, loyalty and reversal) performed without connection to the Sale system (Payment delivery). |
| FSLQ | FinancialLoyaltyRequest | The Sale System requests to the POI System a loyalty service like loading or redeem. |
| FSVQ | FinancialStoredValueRequest | The Sale System requests to the POI System to manage a stored value card or account (eg. Load, Payment, Reimbursement). |
| FSEQ | FinancialEnableServiceRequest | The Sale System requests to the POI System to enable a service on its side. |
| FSAQ | FinancialCardAcquisitionRequest | The Sale System requests to the POI System to handle a card data acquisition on the card reader. |
| FSCQ | FinancialReconciliationRequest | The Sale System request to the POI System different kinds of transaction reconciliation. |

19.2.3.94 RetailerService3Code

Definition: List of specific services for ServiceResponse.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------------------------|---|
| FSPP | FinancialPaymentResponse | The POI System sends a response to a payment request (Purchase/refund/PWCB/MOTO Payment/...). |
| FSRP | FinancialReversalResponse | The POI System sends a response to a reversal request. |
| FSIP | FinancialBalanceInquiryResponse | The POI System sends a response to a Balance Inquiry request. |
| FSBP | FinancialBatchResponse | The POI System sends a response to a batch processing request. |
| FSLP | FinancialLoyaltyResponse | The POI System sends a response to a loyalty processing request. |
| FSVP | FinancialStoredValueResponse | The POI System sends a response to a stored value card or account request. |
| FSEP | FinancialEnableServiceResponse | The POI System sends a response after enabling or not some service. |
| FSAP | FinancialCardAcquisitionResponse | The POI System sends a response to a card data acquisition request. |
| FSCP | FinancialReconciliationResponse | The POI System sends a response to a reconciliation request. |

19.2.3.95 RetailerService4Code

Definition: List of specific services for SessionManagementRequest.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---|---|
| SMIQ | AdministrativeSessionManagementLoginRequest | The Sale System requests a login to the POI System. |
| SMOQ | AdministrativeSessionManagementLogoutRequest | The Sale System requests a logout to the POI System. |
| SMDQ | AdministrativeSessionManagementDiagnosisRequest | The Sale System requests a session diagnosis to the POI System. |

19.2.3.96 RetailerService5Code

Definition: List of specific services for SessionManagementResponse.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--|---|
| SMIP | AdministrativeSessionManagementLoginResponse | The POI System responds to a login request. |
| SMOP | AdministrativeSessionManagementLogoutResponse | The POI System responds to a logout request. |
| SMDP | AdministrativeSessionManagementDiagnosisResponse | The POI System responds to a diagnosis request. |

19.2.3.97 RetailerService6Code

Definition: List of specific services for ReportRequest.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--|--|
| RPTQ | AdministrativeReportTransactionRequest | The Sale System requests to the POI System a report on a list of transactions. |
| RPAQ | AdministrativeReportGetTotalsRequest | The Sale System requests to the POI System a report on the totals figures of the POI system. |

19.2.3.98 RetailerService7Code

Definition: List of specific services for ReportResponse.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---|--|
| RPTP | AdministrativeReportTransactionResponse | The POI System responds to a transaction report request. |
| RPAP | AdministrativeReportGetTotalsResponse | The POI System responds to a totals figures request. |

19.2.3.99 RetailerService8Code

Definition: List of specific services for DeviceRequest.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--|---|
| DDYQ | DeviceDisplayRequest | One System requests the other to display a message for cashier or customer. |
| DINQ | DeviceInputRequest | One system requests to the other System to get data input. |
| DPRQ | DevicePrintRequest | One system requests to the other System to print data. |
| DSOQ | DevicePlaySoundRequest | One system requests to the Other System to play a sound. |
| DSIQ | DeviceSecureInputRequest | One system requests to the Other System to securely get data input (e.g. for PIN). |
| DCIQ | DeviceInitialisationCardReaderRequest | Service to send parameters to use when card reader initializes a new communication with the card. |
| DCAQ | DeviceSendApplicationProtocolDataUnitCardReaderRequest | A service to send commands to a card. |
| DCPQ | DevicePowerOffCardReaderRequest | The Sale system requests to the POI System to power off the card reader. |
| DCOQ | DeviceTransmissionMessageRequest | The Sale system requests to the POI System to transmit a message (for instance to a mobile server). |
| DINO | DeviceInputNotification | One system sends a notification to the POI System to update a input request. |

19.2.3.100 RetailerService9Code

Definition: List of specific services for DeviceResponse.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---|--|
| DDYP | DeviceDisplayResponse | One system responds to the other system for a display request. |
| DINP | DeviceInputResponse | One system responds to the other System for a input request. |
| DPRP | DevicePrintResponse | One system responds to the other System for a print request. |
| DSOP | DevicePlaySoundResponse | One system responds to the other System for a play sound request. |
| DSIP | DeviceSecureInputResponse | One system responds to the other System for secure data input. |
| DCIP | DeviceInitialisationCardReaderResponse | The POI system responds to the Sale System for a card reader initialisation. |
| DCAP | DeviceSendApplicationProtocolDataUnitCardReaderResponse | The POI system responds to the Sale System for a card reader Application Protocol Data Unit sending. |
| DCPP | DevicePowerOffCardRequestResponse | The POI system responds to the Sale System for a card reader power off. |

| CodeName | Name | Definition |
|----------|-----------------------------------|--|
| DCOP | DeviceTransmissionMessageResponse | The POI system responds to the Sale System after a message transmission. |

19.2.3.101 ReversalReason1Code

Definition: Reason of the payment or loyalty reversal.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------------|--|
| CUSC | CustomerCancellation | Customer cancels the transaction. |
| MALF | Malfunction | Reversal after a suspicion of malfunction of the POI system. |
| MERC | MerchantCancellation | Merchant or Cashier cancels the transaction. |
| UNAB | UnableToComplete | POI System unable to complete transaction. |

19.2.3.102 SaleCapabilities1Code

Definition: Hardware capabilities of the Sale Terminal.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------|--|
| CHDI | CashierDisplay | Standard Cashier display interface (to ask question, or to show information). |
| CHER | CashierError | To display to the Cashier information related to an error situation occurring on the POI. |
| CHIN | CashierInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). The output device attached to this input device is the CashierDisplay device. |
| CHST | CashierStatus | To display to the Cashier a new state on which the POI is entering. For instance, during a payment, the POI could display to the Cashier that POI request an authorisation to the host acquirer. |
| CUDI | CustomerDisplay | Standard Customer display interface used by the POI System to ask question, or to show information to the Customer inside a Service dialogue. |
| CUAS | CustomerAssistance | Input of the Cardholder POI interface which can be entered by the Cashier to assist the Customer. |
| CUER | CustomerError | To display to the Customer information is related to an error situation occurring on the Sale Terminal during a Sale transaction. |

| CodeName | Name | Definition |
|----------|-----------------|--|
| CUIN | CustomerInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). |
| POIR | POIReplication | Information displayed on the Cardholder POI interface, replicated on the Cashier interface. |
| PRDC | PrinterDocument | When the POI System wants to print specific document (check, dynamic currency conversion ...). |
| PRRP | PrinterReceipt | Printer for the Payment receipt. |
| PRVC | PrinterVoucher | Coupons, voucher or special ticket generated by the POI and to be printed. |

19.2.3.103 SaleCapabilities2Code

Definition: Type of the Logical device located on a Sale Terminal or a POI Terminal, in term of class of information to output (display, print or store), or input (keyboard) for the Cashier

or the Customer.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------|--|
| CHIN | CashierInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). The output device attached to this input device is the CashierDisplay device. |
| CUIN | CustomerInput | Any kind of keyboard allowing all or part of the commands of the Input message request from the Sale System to the POI System (InputCommand data element). |

19.2.3.104 SaleTokenScope1Code

Definition: Scope of the token that identifies the payment mean of the customer.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------|--|
| MULT | MultipleUse | The token is generated to recognise a customer for a longer period. |
| SNGL | SingleUse | The token is generated to recognise a customer during the lifetime of a transaction. |

19.2.3.105 SoundFormat1Code

Definition: Type of sound to play.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------|--|
| MSGR | MessageRef | Reference of a preloaded text to play. |
| SNDR | SoundRef | Preloaded sound File. |
| TEXT | Text | Text to play. |

19.2.3.106 StoredValueAccountType1Code

Definition: Type of stored value account.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------------|--|
| BNKA | BankPrepaidAccount | Prepaid account managed by a financial institution for low income customers. |
| CWVC | CarwashVoucher | Car wash specific account. |
| CPYA | CompanyPrepaidAccount | Specific prepaid account for companies or professionals expenses. |
| ELMY | ElectronicMoneyAccount | Account supporting e-money issued by an electronic money issuer. |
| GIFT | GiftCard | Payment mean issued by retailers or banks as a substitute to a non-monetary gift. Usually, this Stored Value item is used only once. |
| GCER | GiftCertificate | Certificate to be given to a customer. Usually one shot voucher. |
| MLVC | MealVoucher | Meal and check voucher for restaurants. |
| OLVC | OnlineVoucher | Voucher that can be used online once or in several times. |
| MERC | MerchantAccount | Prepaid account open with a merchant or big retailers. |
| OTHR | OtherPrepaidAccount | Other non listed stored value instrument. |
| PHON | PhoneCard | Stored value instrument used to pay telephone services (e.g. card or identifier). |
| CARD | SmartCardTag | Stored value account hold on the chip of a smart card. |
| TRVL | Travel | Travel prepaid account. |

19.2.3.107 StoredValueTransactionType3Code

Definition: Identification of operation to proceed on the stored value account or the stored value card.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------|---|
| ACTV | Activate | Activate the account or the card. |
| DUPL | Duplicate | Duplicate the code or number provided by the loading or activation. |

| CodeName | Name | Definition |
|----------|--------------|--|
| LOAD | Load | Load the account or the card with money. |
| RESV | Reserve | Reserve the account (e.g. get an activation code). |
| REVS | Reverse | Reverse an activation or loading. |
| ULOA | Unload | Unload the account. |
| CLOS | CloseAccount | Close the account. |
| DCTV | Deactivate | Deactivate the account or the card. |
| OPEN | OpenAccount | Open the account. |
| BALC | Balance | Balance enquiry. |

19.2.3.108 SupportedPaymentOption2Code

Definition: Specifies the options supported for a payment transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|---------------------|---|
| PART | PartialApproval | The entity supports a partial approval of the payment transaction. |
| MSRV | PaymentApprovalOnly | The entity supports the approval of the payment service along with the decline of additional requested services (as cash-back). |
| INSI | IssuerInstalment | The sender support IssuerInstalment proposals to the Cardholder. |
| PINQ | PINRequest | The sender is able to support Single Tap transaction. |

19.2.3.109 TerminalManagementAction5Code

Definition: Types of terminal management action to be performed by a point of interaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------|---|
| DCTV | Deactivate | Request to deactivate the element identified inside the message exchange. |
| DELT | Delete | Request to delete the element identified inside the message exchange. |
| DWNL | Download | Request to download the element identified inside the message exchange. |
| INST | Install | Request to install the element identified inside the message exchange. |
| RSTR | Restart | Request to restart the element identified inside the message exchange. |
| UPLD | Upload | Request to upload the element identified inside the message exchange. |

| CodeName | Name | Definition |
|----------|---------------|---|
| UPDT | Update | Request to update the element identified inside the message exchange. |
| BIND | Bind | Request sent to a POI to bind with a server. |
| RBND | Rebind | Request sent to a POI to rebind with a server. |
| UBND | Unbind | Request sent to a POI to unbind with a server. |
| ACTV | Activate | Request to activate the element identified inside the message exchange. |
| DEVR | DeviceRequest | Request to execute a device request. |

19.2.3.110 TerminalManagementActionResult5Code

Definition: Final result of the processed terminal management action.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------------------------|--|
| ACCD | AccessDenied | Access is denied while performing the action. |
| CNTE | ConnectionError | Problem to connect while performing the action. |
| FMTE | FormatError | Data transferred has a wrong format. |
| INVC | InvalidContent | Content of the data is invalid. |
| LENE | LengthError | Data transferred has a wrong length. |
| OVER | MemoryOverflow | Memory to store the date exceeded. |
| MISS | MissingFile | Data set to be maintained is missing. |
| NSUP | NotSupported | Action is not supported. |
| SIGE | SignatureError | Data transferred has a wrong digital signature. |
| WARN | SuccessWithWarning | Action was performed but some warnings arose. |
| SYNE | SyntaxError | Data transferred has a wrong syntax. |
| TIMO | Timeout | Timeout expired during the data transfer. |
| UKDT | UnknownData | Data set identification invalid. |
| UKRF | UnknownKeyReference | Cryptographic key reference used for the data signature is not valid. |
| INDP | InvalidDelegationProof | Delegation Proof transmitted by the delegated TMS is not the one expected. |
| IDMP | InvalidDelegationInManagementPlan | One action of the AcceptorManagementPlan refers to an update unauthorized by the delegation. |

| CodeName | Name | Definition |
|----------|--|---|
| DPRU | DelegationParametersReceivedUnauthorized | The content analysis of the AcceptorConfigurationUpdate reveals unexpected parameters. |
| AERR | AnyError | This code value means all TerminalManagementActionResultCode except "Any Error" and "Unlisted Error". |
| CMER | CommunicationError | Error in communication once the connection has been established. |
| ULER | UnlistedError | Any error that is not defined by a code value inside the TerminalManagementActionResultCode. |
| SUCC | Success | Action was successfully performed. |

19.2.3.111 TimeUnit1Code

Definition: Unit of time associated with the contract.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-------------|----------------------------|
| DAYC | CalendarDay | Time unit is calendar day. |
| HOUR | Hour | Time unit is hour. |
| MINU | Minute | Time unit is minute. |
| MNTH | Month | Time unit is month. |
| SECO | Second | Time unit is second. |
| WEEK | Week | Time unit is week. |
| YEAR | Year | Time unit is year. |

19.2.3.112 TMSContactLevel1Code

Definition: Level of urgency in contacting the terminal management system.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------|--|
| CRIT | Critical | Terminal management system has to be contacted before the next transaction. |
| ASAP | AsSoonAsPossible | Terminal management system has to be contacted as soon as possible (for example after reconciliation). |
| DTIM | DateTime | Terminal management system has to be contacted at the date and time provided. |

19.2.3.113 TotalDetails1Code

Definition: Indicates the hierarchical structure of the reconciliation result of the Sale to POI reconciliation.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------------|---|
| OPID | PerCashierIdentification | Give the totals result per Operator Identification value. |
| PIID | PerPOIIdentification | Give the totals result per POI Identification value. |
| TGID | PerTotalsGroup | Give the totals result per Totals Group Identification value. |
| SNID | PerShiftNumber | Give the totals result per Shift Number Identification value. |
| SAID | PerSaleIdentification | Give the totals result per Sale Identification value. |

19.2.3.114 TrackFormat1Code

Definition: Use to identify format of a track on a card or other documents like checks.

Type: CodeSet

| CodeName | Name | Definition |
|----------|-----------------|---|
| AAMV | AAMVAFormat | American driver license. |
| CMC7 | CMC7CheckFormat | Magnetic Ink Character Recognition, using the CMC-7 font - ISO 1004 Line at the bottom of a check containing the bank account and the check number. |
| E13B | E13BCheckFormat | Magnetic Ink Character Recognition, using the E-13B font) Line at the bottom of a check containing the bank account and the check number. |
| ISOF | ISOFormat | ISO card track format - ISO 7813 - ISO 4909. |
| JIS1 | JISIFormat | Japanese track format I. |
| JIS2 | JISIIFormat | Japanese track format II. |

19.2.3.115 TransactionAction1Code

Definition: Action to realise on a transaction.

Type: CodeSet

| CodeName | Name | Definition |
|----------|------------------|--|
| STAR | StartTransaction | Start a transaction by a swipe ahead mechanism, with the services which are enabled. |
| STOP | Stop | Keep quite after a swipe ahead mechanism. |

19.2.3.116 TransactionChannel5Code

Definition: Identifies the type of the communication channels used by the cardholder to the acceptor system.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|---------------------------|---|
| MAIL | MailOrder | Mail order. |
| TLPH | TelephoneOrder | Telephone order. |
| ECOM | ElectronicCommerce | Electronic commerce. |
| TVPY | TelevisionPayment | Payment on television. |
| SECM | SecuredElectronicCommerce | Electronic commerce with cardholder authentication. |
| MOBL | MobilePayment | Payment performed through a cardholder mobile device. |
| MPOS | MobilePOS | Payment performed through a merchant mobile device. |

19.2.3.117 TransactionEnvironment1Code

Definition: Indicates the environment of the transaction.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|-------------|-----------------------|
| MERC | Merchant | Merchant environment. |
| PRIV | Private | Private environment. |
| PUBL | Public | Public environment. |

19.2.3.118 TypeOfAmount8Code

Definition: Qualifies the amount associated with the transaction.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|-------------|--|
| ACTL | Actual | Actual amount. |
| ESTM | Estimated | Estimated amount (the final amount could be above or below). |
| MAXI | Maximum | Maximum amount (the final amount must be less or equal). |
| DFLT | Default | Default amount. |
| RPLT | Replacement | Replacement amount. |
| INCR | Incremental | Incremental amount for reservation. |
| DECR | Decremental | Decremental amount for reservation. |
| RESD | Reserved | Reserved or updated reserved amount for reservation. |

19.2.3.119 TypeTransactionTotals3Code

Definition: Additional attribute of the service type for totals.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|---------------|--|
| CRDT | Credit | Credit transactions (refund, account, cash service, as defined in the transaction service type). |
| CRDR | CreditReverse | Reversal of credit transactions (cancellation). |
| DEBT | Debit | Debit transactions on the cardholder account. |
| DBTR | DebitReverse | Reversal of debit transactions (cancellation). |
| DECL | Declined | Declined transactions. |
| FAIL | Failed | Failed transactions. |
| RESV | Reservation | Outstanding Reservation transactions. |

19.2.3.120 UnitOfMeasure6Code

Definition: Unit of measure of the item purchased.

Type: CodeSet

| CodeName | Name | Definition |
|-----------------|-------------|--|
| PIEC | Piece | Standard length of cloth, wallpaper, as an item for sale or amount of a substance. |
| TONS | Ton | Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton). |
| FOOT | Foot | Unit of length equal to 1/3 yard. |
| GBGA | GBGallon | Unit of volume that is equal to 8 pints. |
| USGA | USGallon | Unit of volume that is equal to 8 pints. |
| GRAM | Gram | Unit of measure that is equal to a 1, 000th of a kilo. |
| INCH | Inch | Measure of length equal to 2.54 cm. |
| KILO | Kilogram | Basic unit of mass in the SI system, 1000 grams. |
| PUND | Pound | Unit of weight equal to 0.454 kilograms. |
| METR | Metre | Unit of length in the metric system, equal to 39.37 inches. |
| CMET | Centimetre | Unit of measure that is equal to one hundredth of a metre. |
| MMET | Millimetre | Unit of measure that is a thousandth of one metre. |
| LITR | Litre | Unit of volume that is equal to a thousand cubic centimetres. |
| CELI | Centilitre | Unit of volume that is equal to one hundredth of a litre. |

| CodeName | Name | Definition |
|-----------------|------------------------|---|
| MILI | MilliLitre | Unit of volume that is equal to one thousandth of a litre. |
| GBOU | GBOunce | Unit of weight equal to a sixteenth of a pound. |
| USOU | USOunce | Unit of weight equal to a sixteenth of a pound. |
| GBQA | GBQuart | Unit of volume that is equal to 2 pints. |
| USQA | USQuart | Unit of volume that is equal to 2 pints. |
| GBPI | GBPint | Unit of volume that is equal to 568 cubic centimetres. |
| USPI | USPint | Unit of volume that is equal to 473 cubic centimetres. |
| MILE | Mile | Unit of length equal to 1, 760 yards. |
| KMET | Kilometre | Unit of measure that is equal to 1, 000 meters. |
| YARD | Yard | Unit of length equal to 3 feet or 0.9144 metre. |
| SQKI | SquareKilometre | Measure of a surface, one kilometre by one kilometre. |
| HECT | Hectare | Unit of measure that is equal to 10, 000 square meters. |
| ARES | Are | Unit of measure equal to a 100 square meters. |
| SMET | SquareMetre | Measure of a surface, one metre by one metre. |
| SCMT | SquareCentimetre | Measure of a surface, one centimetre by one centimetre. |
| SMIL | SquareMillimetre | Measure of a surface, one millimetre by one millimetre. |
| SQMI | SquareMile | Measure of a surface, one mile by one mile. |
| SQYA | SquareYard | Measure of a surface, one yard by one yard. |
| SQFO | SquareFoot | Measure of a surface, one foot by one foot. |
| SQIN | SquareInch | Measure of a surface, one inch by one inch. |
| ACRE | Acre | Unit of measure equal to 4, 840 square yards. |
| KWHO | KilowattHours | Unit of measure that is equal to the power consumption of one kilowatt during one hour. |
| DGEU | DieselGallonEquivalent | Amount of fuel alternative equal to one gallon of diesel. |

| CodeName | Name | Definition |
|----------|--------------------------|---|
| GGEU | GasolineGallonEquivalent | Amount of fuel alternative equal to one gallon of gasoline. |

19.2.3.121 UserInterface4Code

Definition: Destination of the message.

Type: CodeSet

| CodeName | Name | Definition |
|----------|--------------------------|---|
| CDSP | CardholderDisplay | Cardholder display or interface. |
| CRCP | CardholderReceipt | Cardholder receipt. |
| MDSP | MerchantDisplay | Merchant display or interface. |
| MRCP | MerchantReceipt | Merchant receipt. |
| CRDO | OtherCardholderInterface | Other interface of the cardholder, for instance e-mail or smartphone message. |

19.2.3.122 Verification1Code

Definition: Result of the verification.

Type: CodeSet

| CodeName | Name | Definition |
|----------|----------------|---|
| FAIL | Failed | Verification failed. |
| MISS | Missing | Information required to perform the verification was missing. |
| NOVF | NotPerformed | Verification has not been performed. |
| PART | PartialMatch | Verification was partially successful. |
| SUCC | Successful | Verification was successful. |
| ERRR | TechnicalError | Device or entity to perform the verification was unavailable. |

19.2.4 Date

19.2.4.1 ISODate

Definition: A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

Type: Date

19.2.5 DateTime

19.2.5.1 ISODateTime

Definition: A particular point in the progression of time defined by a mandatory date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with

UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

Note on the time format:

1) beginning / end of calendar day

00:00:00 = the beginning of a calendar day

24:00:00 = the end of a calendar day

2) fractions of second in time format

Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.

Type: DateTime

19.2.6 IdentifierSet

19.2.6.1 AnyBICDec2014Identifier

Definition: Code allocated to a financial or non-financial institution by the ISO 9362 Registration Authority, as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".

Type: IdentifierSet

Identification scheme: SWIFT; AnyBICIdentifier

Format

| | |
|---------|--|
| pattern | [A-Z0-9]{4,4}[A-Z]{2,2}[A-Z0-9]{2,2}([A-Z0-9]{3,3}){0,1} |
|---------|--|

Constraints

- **AnyBIC**

Only a valid Business identifier code is allowed. Business identifier codes for financial or non-financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous characters.

19.2.6.2 BBANIdentifier

Definition: Basic Bank Account Number (BBAN). Identifier used nationally by financial institutions, ie, in individual countries, generally as part of a National Account Numbering Scheme(s), which uniquely identifies the account of a customer.

Type: IdentifierSet

Identification scheme: National Banking Association; Basic Bank Account Number

Format

| | |
|---------|-------------------|
| pattern | [a-zA-Z0-9]{1,30} |
|---------|-------------------|

19.2.6.3 IBAN2007Identifier

Definition: The International Bank Account Number is a code used internationally by financial institutions to uniquely identify the account of a customer at a financial institution as described in the 2007 edition of the ISO 13616 standard "Banking and related financial services - International Bank Account Number (IBAN)" and replaced by the more recent edition of the standard.

Type: IdentifierSet

Identification scheme: National Banking Association; International Bank Account Number (ISO 13616)

Format

pattern [A-Z]{2,2}[0-9]{2,2}[a-zA-Z0-9]{1,30}

Constraints

- **IBAN**

A valid IBAN consists of all three of the following components: Country Code, check digits and BBAN.

19.2.6.4 UPICIdentifier

Definition: Universal Payment Identification Code (UPIC). Identifier used by the New York Clearing House to mask confidential data, such as bank accounts and bank routing numbers. UPIC numbers remain with business customers, regardless of banking relationship changes.

Type: IdentifierSet

Identification scheme: The Clearing House (formerly The New York Clearing House); Universal Payment Identification Code

Format

pattern [0-9]{8,17}

19.2.7 Indicator

19.2.7.1 PlusOrMinusIndicator

Definition: Indicates a positive or negative value.

Type: Indicator

Meaning When True: Plus

Meaning When False: Minus

19.2.7.2 TrueFalseIndicator

Definition: A flag indicating a True or False value.

Type: Indicator

Meaning When True: True

Meaning When False: False

19.2.8 Quantity

19.2.8.1 DecimalNumber

Definition: Number of objects represented as a decimal number, for example 0.75 or 45.6.

Type: Quantity

Format

| | |
|----------------|----|
| totalDigits | 18 |
| fractionDigits | 17 |

19.2.8.2 Number

Definition: Number of objects represented as an integer.

Type: Quantity

Format

| | |
|----------------|----|
| totalDigits | 18 |
| fractionDigits | 0 |

19.2.8.3 PositiveNumber

Definition: Number of objects represented as a positive integer.

Type: Quantity

Format

| | |
|----------------|----|
| minInclusive | 1 |
| totalDigits | 18 |
| fractionDigits | 0 |

19.2.9 Rate

19.2.9.1 BaseOneRate

Definition: Rate expressed as a decimal, for example, 0.7 is 7/10 and 70%.

Type: Rate

Format

| | |
|----------------|-----|
| totalDigits | 11 |
| fractionDigits | 10 |
| baseValue | 1.0 |

19.2.9.2 PercentageRate

Definition: Rate expressed as a percentage, that is, in hundredths, for example, 0.7 is 7/10 of a percent, and 7.0 is 7%.

Type: Rate

Format

| | |
|----------------|-------|
| totalDigits | 11 |
| fractionDigits | 10 |
| baseValue | 100.0 |

19.2.10 Text

19.2.10.1 Exact3AlphaNumericText

Definition: Specifies an alphanumeric string with a length of exact 3 characters.

Type: Text

Format

| | |
|---------|----------------|
| pattern | [a-zA-Z0-9]{3} |
|---------|----------------|

19.2.10.2 Exact3NumericText

Definition: Specifies a numeric string with an exact length of 3 digits.

Type: Text

Format

| | |
|---------|----------|
| pattern | [0-9]{3} |
|---------|----------|

19.2.10.3 Exact4NumericText

Definition: Specifies a numeric string with an exact length of 4 digits.

Type: Text

Format

| | |
|---------|----------|
| pattern | [0-9]{4} |
|---------|----------|

19.2.10.4 Max1025Text

Definition: Specifies a character string with a maximum length of 1025 characters.

Type: Text

Format

| | |
|-----------|------|
| minLength | 1 |
| maxLength | 1025 |

19.2.10.5 Max104Text

Definition: Specifies a character string with a maximum length of 104 characters.

Type: Text

Format

| | |
|-----------|-----|
| minLength | 1 |
| maxLength | 104 |

19.2.10.6 Max10Text

Definition: Specifies a character string with a maximum length of 10 characters.

Type: Text

Format

| | |
|-----------|----|
| minLength | 1 |
| maxLength | 10 |

19.2.10.7 Max11NumericText

Definition: Specifies a numeric string with a maximum length of 11 digits.

Type: Text

Format

| | |
|---------|-------------|
| pattern | [0-9]{1,11} |
|---------|-------------|

19.2.10.8 Max140Text

Definition: Specifies a character string with a maximum length of 140 characters.

Type: Text

Format

| | |
|-----------|-----|
| minLength | 1 |
| maxLength | 140 |

19.2.10.9 Max15NumericText

Definition: Specifies a numeric string with a maximum length of 15 digits.

Type: Text

Format

| | |
|---------|-------------|
| pattern | [0-9]{1,15} |
|---------|-------------|

19.2.10.10 Max16Text

Definition: Specifies a character string with a maximum length of 16 characters.

Type: Text

Format

| | |
|-----------|----|
| minLength | 1 |
| maxLength | 16 |

19.2.10.11 Max19NumericText

Definition: Specifies a numeric string with a maximum length of 19 digits.

Type: Text

Format

| | |
|---------|-------------|
| pattern | [0-9]{1,19} |
|---------|-------------|

19.2.10.12 Max20000Text

Definition: Specifies a character string with a maximum length of 20, 000 characters.

Type: Text

Format

| | |
|-----------|-------|
| minLength | 1 |
| maxLength | 20000 |

19.2.10.13 Max256Text

Definition: Specifies a character string with a maximum length of 256 characters.

Type: Text

Format

| | |
|-----------|-----|
| minLength | 1 |
| maxLength | 256 |

19.2.10.14 Max2NumericText

Definition: Specifies a numeric string with a maximum length of 2 digits.

Type: Text

Format

| | |
|---------|------------|
| pattern | [0-9]{1,2} |
|---------|------------|

19.2.10.15 Max30Text

Definition: Specifies a character string with a maximum length of 30 characters.

Type: Text

Format

maxLength 30

19.2.10.16 Max350Text

Definition: Specifies a character string with a maximum length of 350 characters.

Type: Text

Format

minLength 1
maxLength 350

19.2.10.17 Max35NumericText

Definition: Specifies a numeric string with a maximum length of 35 digits.

Type: Text

Format

pattern [0-9]{1,35}

19.2.10.18 Max35Text

Definition: Specifies a character string with a maximum length of 35 characters.

Type: Text

Format

minLength 1
maxLength 35

19.2.10.19 Max37Text

Definition: Specifies a character string with a maximum length of 37 characters.

Type: Text

Format

minLength 1
maxLength 37

19.2.10.20 Max3NumericText

Definition: Specifies a numeric string with a maximum length of 3 digits.

Type: Text

Format

pattern [0-9]{1,3}

19.2.10.21 Max3Text

Definition: Specifies a character string with a maximum length of 3 characters.

Type: Text

Format

| | |
|-----------|---|
| minLength | 1 |
| maxLength | 3 |

19.2.10.22 Max45Text

Definition: Specifies a character string with a maximum length of 45 characters.

Type: Text

Format

| | |
|-----------|----|
| minLength | 1 |
| maxLength | 45 |

19.2.10.23 Max500Text

Definition: Specifies a character string with a maximum length of 500 characters.

Type: Text

Format

| | |
|-----------|-----|
| minLength | 1 |
| maxLength | 500 |

19.2.10.24 Max5NumericText

Definition: Specifies a numeric string with a maximum length of 5 digits.

Type: Text

Format

| | |
|---------|------------|
| pattern | [0-9]{1,5} |
|---------|------------|

19.2.10.25 Max6Text

Definition: Specifies a character string with a maximum length of 6 characters.

Type: Text

Format

| | |
|-----------|---|
| minLength | 1 |
| maxLength | 6 |

19.2.10.26 Max70Text

Definition: Specifies a character string with a maximum length of 70 characters.

Type: Text

Format

| | |
|-----------|----|
| minLength | 1 |
| maxLength | 70 |

19.2.10.27 Max76Text

Definition: Specifies a character string with a maximum length of 76 characters.

Type: Text

Format

| | |
|-----------|----|
| minLength | 1 |
| maxLength | 76 |

19.2.10.28 Max8000Text

Definition: Specifies a character string with a maximum length of 8000 characters.

Type: Text

Format

| | |
|-----------|------|
| minLength | 1 |
| maxLength | 8000 |

19.2.10.29 Max8Text

Definition: Specifies a character string with a maximum length of 8 characters.

Type: Text

Format

| | |
|-----------|---|
| minLength | 1 |
| maxLength | 8 |

19.2.10.30 Max9NumericText

Definition: Specifies a numeric string with a maximum length of 9 digits.

Type: Text

Format

| | |
|---------|------------|
| pattern | [0-9]{1,9} |
|---------|------------|

19.2.10.31 Min2Max3AlphaText

Definition: Specifies an alpha string with a minimum length of 2 characters and a maximum length of 3 characters.

Type: Text

Format

| | |
|---------|---------------|
| pattern | [a-zA-Z]{2,3} |
|---------|---------------|

19.2.10.32 Min2Max3NumericText

Definition: Specifies a numeric string with a minimum length of 2 digits, and a maximum length of 3 digits.

Type: Text

Format

| | |
|---------|------------|
| pattern | [0-9]{2,3} |
|---------|------------|

19.2.10.33 Min3Max4Text

Definition: Specifies a character string with a minimum length of 3 characters, and a maximum length of 4 characters.

Type: Text

Format

| | |
|-----------|---|
| minLength | 3 |
| maxLength | 4 |

19.2.10.34 Min6Max8Text

Definition: Specifies a character string with a minimum length of 6 characters, and a maximum length of 8 characters.

Type: Text

Format

| | |
|-----------|---|
| minLength | 6 |
| maxLength | 8 |

19.2.10.35 Min8Max28NumericText

Definition: Specifies a numeric string with a minimum length of 8 digits, and a maximum length of 28 digits.

Type: Text

Format

| | |
|---------|-------------|
| pattern | [0-9]{8,28} |
|---------|-------------|

19.2.10.36 PhoneNumber

Definition: The collection of information which identifies a specific phone or FAX number as defined by telecom services.

It consists of a "+" followed by the country code (from 1 to 3 characters) then a "-" and finally, any combination of numbers, "(", ")", "+" and "-" (up to 30 characters).

Type: Text

Format

pattern $\{+[\text{0-9}]\{1,3\}-[\text{0-9}()]+\}\{1,30\}$